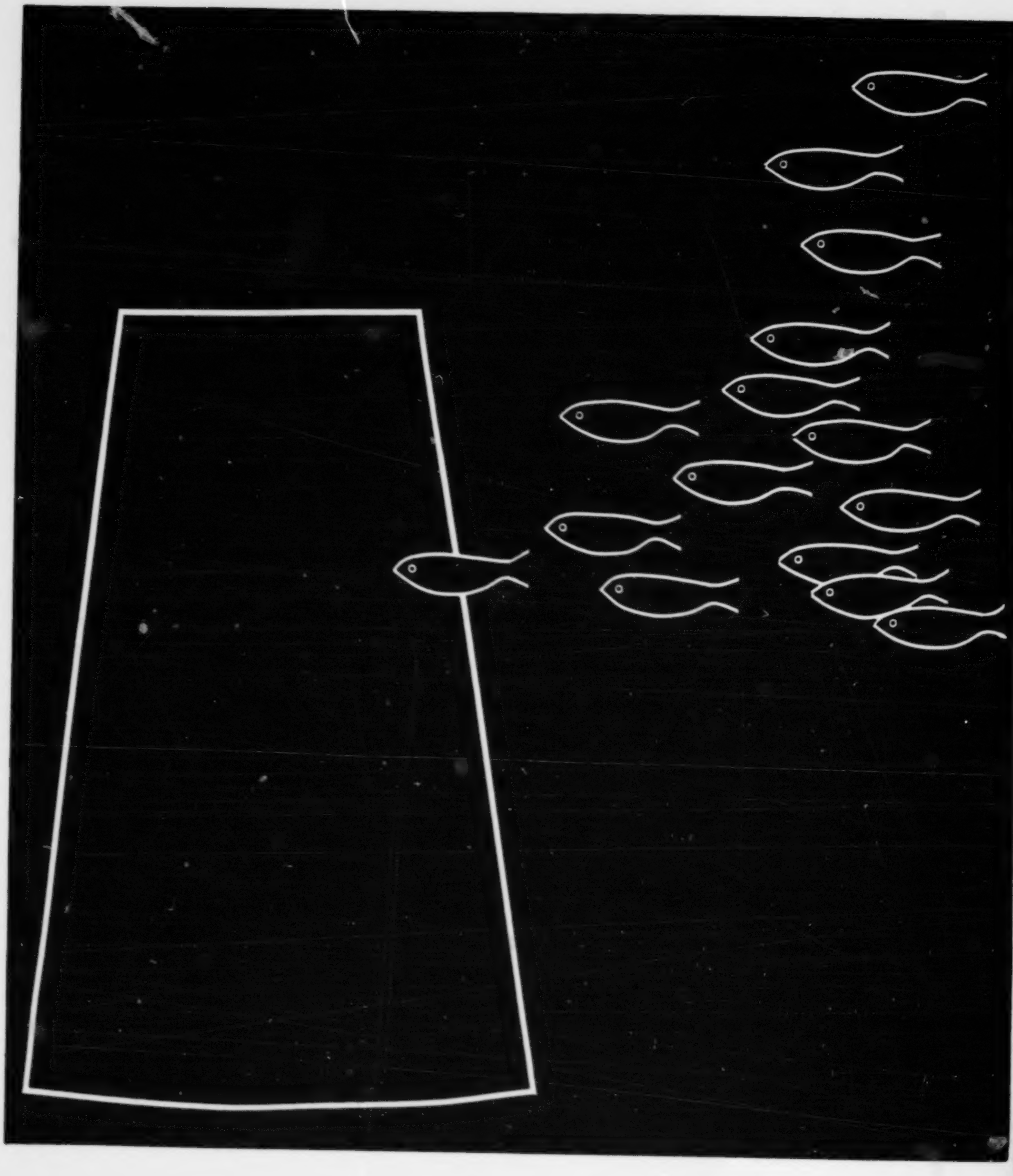
Saskatchewan
Parks, Recreation
and Culture

Fisheries Branch

1985 Survey of Sport Fishing in Saskatchewan

Saskatchewan



88-04541/

1985 SURVEY OF SPORT FISHING IN SASKATCHEWAN

by

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FISHERIES TECHNICAL REPORT 88-1
MARCH 1988

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S4S 5W6

EXECUTIVE SUMMARY

The recreational fishery in Saskatchewan was evaluated by means of questionnaires sent to a sample of licenced anglers who had fished there in 1985. This study, the third in a series carried out at five year intervals, was conducted to provide information on the numbers, origins and destinations of anglers, their expenditures and investments in activities and equipment used for angling, as well as the numbers and species of fish harvested and amount of fishing effort expended. Respondents also provided comments about the 1985 Anglers Guide, the Sport Fish Conservation Program and other matters of concern to them.

ANGLER PROFILE

There were 248,899 anglers in Saskatchewan in 1985. These included 180,877 licenced anglers as well as an estimated 21,500 Saskatchewan senior citizens and 69,438 children who did not require angling licences. There were 159,593 resident anglers and 42,784 Canadian and other non-resident anglers. About 87% of the residents and 98% of the non-residents fished. More than 56% of the non-resident anglers were Canadians, mainly from Alberta; the other non-resident anglers were United States citizens, mainly from states south of the province.

The tradition for fishing in Saskatchewan is strong: 80% of the resident anglers indicated they had fished in 1984 and 67% of them had fished in 1980. There was more turnover among non-resident anglers but the pattern was similar. Most of the non-resident anglers stated they planned to return to Saskatchewan to fish again but about half indicated they would not return if sport fishing was no longer available. Environmental factors associated with sport fishing, such as the quality of water, beauty of surroundings, weather and access to wilderness, were more important than fish or personal factors.

The province was divided into nine areas for the purpose of the survey. The North Central and South areas were most preferred by anglers with

42% of all anglers fishing there in 1985. In general, non-residents preferred the northern areas and resident anglers the southern areas.

ANGLER FISHING EFFORT

Angling in Saskatchewan is a major recreational activity. Anglers fished a total of about 1.9 million angler-days in 1985, about 5% less than in 1975 and 1980. On the average, each angler spent 10.8 days fishing in 1985. Overall, resident anglers fished less than in 1975 and 1980, and non-resident anglers fished more.

In 1985, most anglers fished in one area and on one waterbody. Resident anglers tended to fish in the area in which they lived but some fished in as many as five areas and on 15 waterbodies. Non-resident anglers tended to fish in one area and on one waterbody but some fished in as many as three areas and on seven waterbodies.

ANGLER HARVEST

The recreational fishery is one of major dimensions and importance. In 1985, anglers caught an estimated 8.2 million fish of all species and retained 4.7 million of them which weighed an estimated 4.2 million kilograms. Pike, walleye and perch, in that order, comprised 92% of the harvest by number. Resident anglers caught 84% of the fish harvested. Resident anglers kept 66% and non-resident anglers kept 35% of the fish they caught. Anglers kept a higher proportion of the stocked species, 83%, than of the native or wild species, 58%.

About 80% of the harvest came from three principal areas of the province: North Central, West Central and South. The South provided the largest number, 1.8 million fish, or 37% of the total number harvested, whereas the North Central provided the greatest weight, 1.3 million kg, or 31% of the total weight harvested.

The lower limits introduced in May 1985 by the Sport Fish Conservation Program appeared to be effective in reducing harvests. There were 767,000 fewer fish of the major species harvested in 1985 than in 1980, and 577,000 fewer than in 1975. The major decreases were in perch and pike. More walleye were harvested in 1985 than in 1975 or 1980.

In 1985, each angler kept somewhat more than 26 fish, of which 10 were pike, 9 were walleye and 6 were perch. Residents preferred walleye, pike and perch, but retained, in decreasing order of quantity, pike, walleye and perch. Non-residents preferred and retained, in decreasing order of quantity, walleye, pike and lake trout.

ANGLER EXPENDITURES AND INVESTMENTS

In 1985, anglers spent $70.7 million in Saskatchewan on activities directly associated with recreational fishing. Residents spent a total of $49.7 million, or an average of $362 per angler. Non-resident Canadians spent $6.9 million, or $298 per angler, and other non-residents spent $14.0 million, or $749 per angler. Food, lodging and transportation accounted for 80% of the expenditures of resident anglers and 73% of the expenditures of Canadian non-resident anglers but only 41% of the expenditures of other non-resident anglers. Packages, which included the costs of chartered aircraft, lodge facilities and charterboats, accounted for 39% of the expenditures of the latter group.

Anglers in Saskatchewan invested $152.5 million on major durables and property in 1985, of which $80.7 million, or 53% was attributed to sport fishing activities. The average investment of resident anglers was $1,077, non-resident Canadians $159 and other non-residents $36. Ninety-seven percent of the investments were made by resident anglers. Saskatchwan residents, non-resident Canadians and other non-residents indicated that 52%, 76% and 99%, respectively, of their purchases and investments were for recreational fishing.

Overall, anglers spent a total of $223.3 million on goods and services in 1985, of which $151.4 million, or 68% was directly attributable to sport fishing in Saskatchewan. These figures represent an increase of 117%

over similar expenditures in 1980. The increase is evidence of both a renewed level of investment in angling and of the escalating costs of participating in this fishery.

In 1985, anglers were asked to indicate the additional daily cost at which they would have decided not to fish. On the average, 26% of the anglers would have stopped fishing when their daily costs exceeded the 1985 daily average of $36.33 and all anglers would have stopped when their daily costs became $136.33. Non-resident anglers were somewhat more tolerant of higher costs than resident anglers.

ANGLER COMMENTS

In addition to answering a series of specific questions aimed at eliciting information about fishing effort, harvest, expenditures and investments, respondents commented on the 1985 Saskatchewan Anglers Guide, the Sport Fish Conservation Program and other matters of concern to them. Thirteen percent of the respondents commented on the Anglers Guide; 60% of them were favorably impressed with it and 50% of them indicated it was "just right" in terms of comprehensiveness. Most of the comments offered were essentially suggestions that more information be included.

Seventeen percent of the respondents commented on the Sport Fish Conservation Program. Only 39% of these indicated they were favorably impressed with the program and 61% indicated that it had no effect on the numbers of fish they caught.

More than half the respondents provided 2,276 comments on 397 different topics which were summarized into 24 categories. Most of the comments concerned fishing quality, fishery regulations, fish populations, fish stocking, reasons for fishing, enforcement, costs of fishing, and environment.

CONCLUSIONS

The results of the 1985 survey of sport fishing in Saskatchewan confirm that it is an important component of the natural resource sector of the province. Three measures of that component are included in the results of the survey. First, anglers spent $70.7 million on activities directly associated with sport fishing. These included expenditures for accommodation, food, travel, bait, licences, etc. Second, anglers invested $152.5 million on major durables and property, of which $80.7 million was used for sport fishing. In all, anglers invested a total of $223.3 million in 1985, of which $151.4 million was wholly attributable to angling in Saskatchewan. This is more than double similar expenditures in 1980 and indicates a renewed level of investment in angling activities as well as of the escalating costs of participating in this fishery.

The third measure concerns fishing effort and harvests. Overall, there has been a slight decrease in the number of active adult anglers since 1975 as well as in the number of days fished. The total harvest decreased to 4.7 million fish primarily because of decreased harvests of perch and pike.

In conclusion the 1985 survey indicated that angling in Saskatchewan consistituted a fishery of major proportions. More than 248,000 anglers fished, and of these more than 195,000 were residents of Saskatchewan. This means that one Saskatchewan resident in five fished in 1985. Anglers fished a total of 1.9 million days, or about 11 days per person in 1985, and they harvested 4.7 million fish of all species weighing 4.2 million kg. They spent $70.7 million on activities directly associated with sport fishing and invested $152.5 million on major durables and property used in whole or in part for sport fishing.

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INTRODUCTION

Details about sport fishing in Saskatchewan in 1985 were obtained to evaluate the importance of this fishery. The work was done in 1986 by the Fisheries Branch of Saskatchewan Parks, Recreation and Culture in co-operation with the Surveys Unit, Economic Analysis and Statistics Division of Canada Fisheries and Oceans.

The 1985 survey was the third in a series carried out at five year intervals. The first was reported in a publication entitled, "1975 Survey of Sportfishing in Saskatchewan". The second was reported in two publications, "Sportfishing in Saskatchewan, 1980", which contained a summary of the major results, and, "1980 Survey of Sport Fishing in Saskatchewan", which contained detailed information. The surveys are part of a nationally co-ordinated study conducted by Canada's federal, provincial and territorial fisheries agencies. Thus not only does this report provide basic information on Saskatchewan's sport fishery in 1985, it also makes an important contribution to an understanding of Canada's sport fishery.

SURVEY BACKGROUND

In 1970, representatives of Canadian fisheries agencies began to meet periodically to discuss matters of common concern. At these meetings, known as the Canadian Sport Fisheries Conferences, it was realized that effective management required a national framework of basic information on the size, value, socioeconomic performance and potential of Canada's sport fisheries. The size of this task was realized at the outset; no comprehensive information existed and partial coverage from the only previous survey, conducted in 1961, indicated that millions of Canadians and hundreds of millions of dollars were involved.

It was also realized that the development and publication of sport fishing data were required regularly and that all fisheries agencies must work together to provide such information. Plans made at the 1972 and 1974 conferences were implemented in January 1976 when the provincial, territorial and federal fisheries agencies launched the first nationally co-ordinated set of surveys. The success of the first survey led to a second in 1980 and the commitment to continue the surveys at five year intervals.

These studies have been successful in two important ways. First, they provided Canadians with the first authoritative data on the magnitude and importance of Canada's sport fisheries. Second, they demonstrated that, despite regional differences, consistent and comparable data can be generated from a common group of questions administered throughout Canada.

A total of 2,620 questionnaires (Appendix A) were sent to persons who had purchased angling licences in Saskatchewan in 1985 and 400 were sent to Saskatchewan senior citizens. A total of 1,593 questionnaires were completed and returned to provide the basis for the information given in the report. After extrapolating information from these returns (Appendix B), gathering information on known licence numbers, comparing estimates and holding discussions with fisheries management personnel, an overall description of sport fishing in the province was developed.

THE RESOURCE BASE

Sixty-eight species of fish occur in Saskatchewan, of which 13 are of interest to anglers. The main species taken are pike, walleye and perch. Six species of trout plus Arctic grayling are pursued by anglers seeking a variety of fishing experiences. Goldeye, sturgeon and whitefish are among the rarer treats for adventuresome anglers. Overall, walleye is the most preferred species in Saskatchewan.

The fish resource of Saskatchewan is found in its lakes, streams and reservoirs. There are more than 94,000 lakes in the province with a total surface area in excess of 67,000 square kilometers. Most lakes are very small. The larger lakes, although few in number, contain more than half the surface water area. Most of the larger lakes, and many of the smaller ones support sport fisheries.

There is a marked difference in the distribution of lakes and streams and the people who utilize them: more than 97% of the people live south of the 54th parallel whereas more than 90% of the lakes and streams are north of this line. Many northern lakes are accessible only by aircraft. Those that are accessible by road are especially attractive to anglers because of their wilderness settings.

ANGLER PROFILE

NUMBERS

There were 248,899 anglers in Saskatchewan in 1985 (Table 1). These included 180,877 licenced anglers as well as an estimated 21,500 Saskatchewan senior citizens and 69,438 children who did not require angling licences. Among the adult anglers, there were 159,593 residents and 42,784 Canadians and other non-residents. About 87% of the residents and 98% of the non-residents fished. Seventy-seven percent of the resident anglers and 82% of the non-resident anglers were male (Figure 1).

The number of adult anglers declined from 183,197 in 1975 to 179,461 in 1985 but the number of children who fish increased from 59,850 in 1975 to 69,438 in 1985 (Table 2). As a result the total number of anglers has increased from 243,047 in 1975 to 248,899 in 1985. Numbers of resident anglers have increased from 188,521 in 1975 to 195,886 in 1985 but the numbers of non-Canadian non-residents have decreased from 23,288 in 1975 to 20,413 in 1985 (Table 3). More non-resident Canadian anglers fished in Saskatchewan in 1980 than in 1975 or 1985.

ORIGINS

There were an estimated 248,899 active anglers of all ages in Saskatchewan in 1985 (Table 1). Of these, 79% were Saskatchewan residents, 13% were Canadians from other provinces, and 8% were residents of the United States.

Table 1. Numbers and characteristics of anglers in Saskatchewan in 1985.

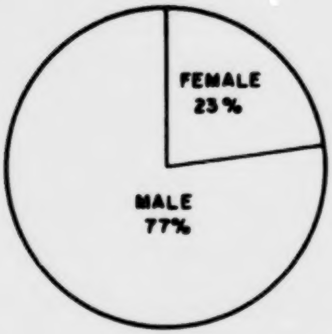
	Resident	Non-resident		Total
		Canadian(a)	Other	
Angling population				
Licenced anglers (b)	136,261	24,046	18,738	179,045
One-day licences (c)	1,832	0	0	1,832
Saskatchewan senior citizens	21,500	0	0	21,500
Totals	159,593	24,046	18,738	202,377
Estimated active adult anglers				
Males	106,126	18,820	15,665	140,611
(Average age, years)	42	42	47	43
Females	31,445	4,332	3,073	38,850
(Average age, years)	44	39	49	44
Totals	137,571	23,152	18,738	179,461
Estimated anglers under 16 years of age (d)	58,315	9,448	1,675	69,438
Total active anglers (all ages)	195,886	32,600	20,413	248,899

(a) Canadians who live in provinces/territories other than Saskatchewan and who fished in Saskatchewan in 1985.

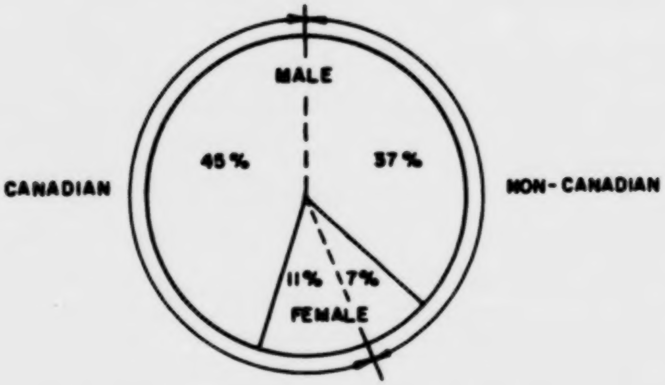
(b) Individuals who purchased angling licences in Saskatchewan in 1985.

(c) This group was not included in the survey and is therefore not represented in the information presented in this report.

(d) Minimum estimates since only households of licenced anglers were surveyed.



137,571 RESIDENT ACTIVE ANGLERS



41,890 NON-RESIDENT ACTIVE ANGLERS

Figure 1. Sex composition of active (A) resident anglers, and (B) non-resident anglers in Saskatchewan, 1985.

Table 2. Comparison of numbers of anglers in Saskatchewan in 1975, 1980 and 1985.

	1975	1980	1985
Angling population	197,578	216,373(a)	202,377(b)
Active adult anglers	183,197	181,342	179,461
Children	59,850	47,123	69,438
Total active anglers	243,047	228,465	248,899

(a) Includes 9,681 one-day licences issued in 1980.

(b) Includes 1,832 one-day licences issued in 1985.

Table 3. Comparison of numbers of resident and non-resident anglers in Saskatchewan in 1975, 1980 and 1985.

Year	Resident	Non-resident		Total
		Canadian	Other	
1975	188,521	31,238	23,288	243,047
1980	171,846	34,894	21,725	228,465
1985	195,886	32,600	20,413	248,889

The distribution of anglers in 1985 corresponds to the distribution of the population in the province: 97% of the anglers were from the Northwest Central, Southwest Central, Northeast Central, Southeast Central, South and Qu'Appelle areas (Figure 2). One-half of the anglers were from the South area alone. The numbers of anglers from each of the areas in 1975, 1980 and 1985 are similar (Table 4).

About 56% of the non-resident anglers in Saskatchewan in 1985 were Canadians (Table 5; Figure 3). Almost two-thirds of these came from Alberta,

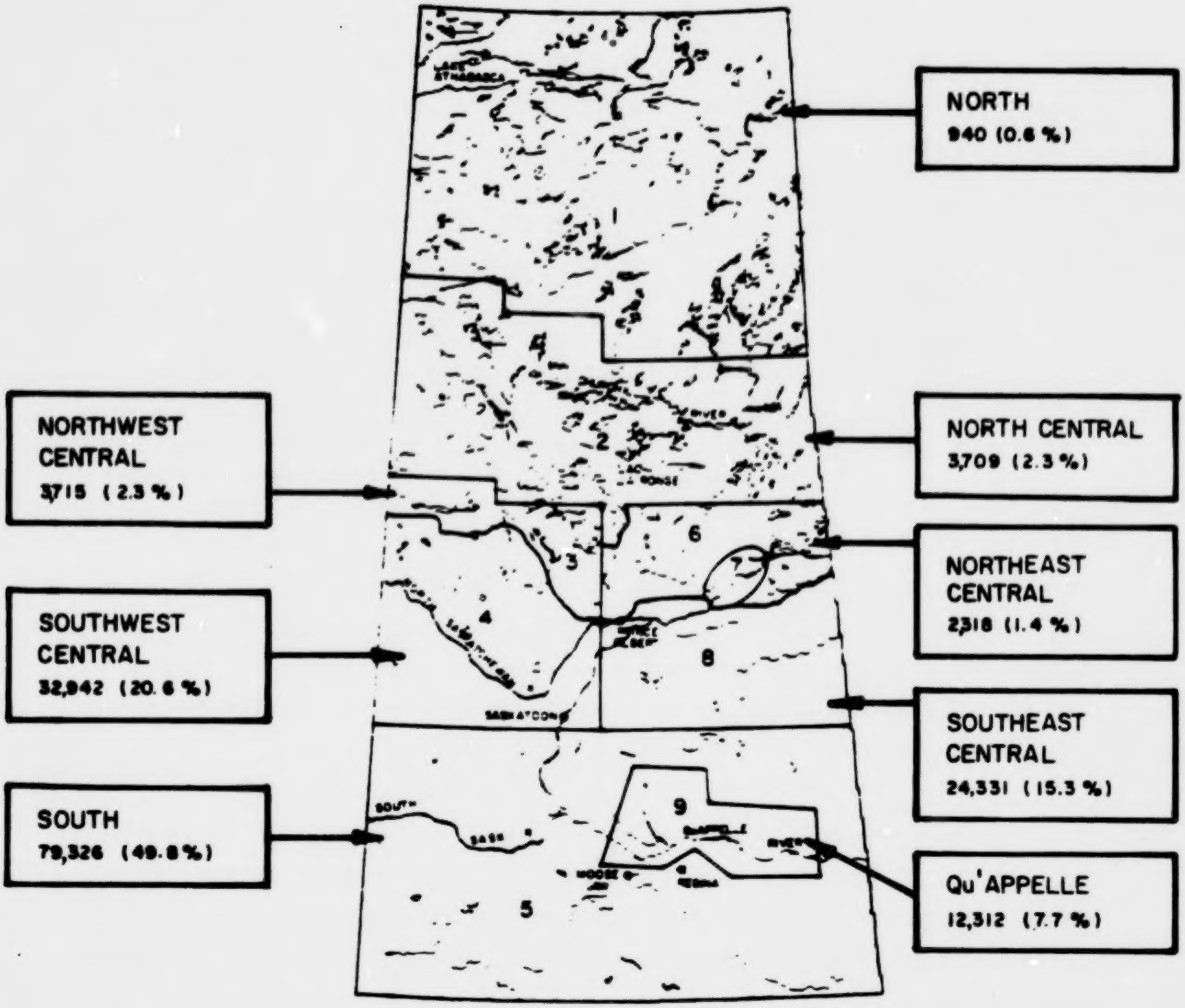

NORTH
940 (0.6 %)
NORTHWEST CENTRAL
3715 (2.3 %)
NORTH CENTRAL
3,709 (2.3 %)
NORTHEAST CENTRAL
2,318 (1.4 %)
SOUTHWEST CENTRAL
32,942 (20.6 %)
SOUTHEAST CENTRAL
24,331 (15.3 %)
SOUTH
79,326 (49.8 %)
Qu'APPELLE
12,312 (7.7 %)
1
2
3
4
5
6
7
8
9
SASKATOON

Figure 2. Estimated number of anglers by area of residence in Saskatchewan, 1985.

Table 4. Estimated numbers of anglers by area of residence in Saskatchewan in 1975, 1980 and 1985.

Area	1975	1980	1985
North	811	918	940
North Central	2,101	3,087	3,709
West Central*	44,023	42,962	36,657
East Central*	24,833	27,529	26,649
South	72,150	80,585	79,326
Qu'Appelle	9,782	11,762	12,312
Totals	153,700	166,843	159,593

* In 1985 the West Central and East Central areas were each subdivided into two areas to permit the data to be assembled by fisheries management zone. The data from these four areas in Figure 2 were combined into two areas in this table.

16% came from Manitoba, 14% from British Columbia and 6% from Ontario. As in 1975 and 1980, no residents of the Atlantic Provinces fished in Saskatchewan in 1985. The decrease in the number of Canadian anglers between 1980 and 1985 has been caused primarily by a smaller number of Manitoba anglers fishing in Saskatchewan.

More than 18,000 United States residents fished in Saskatchewan in 1985 and 72% of them came from the West North Central and Mountain regions (Table 5; Figure 4). Sixty-two percent of the U.S. residents who fished in Saskatchewan in 1985 came from seven states: Montana, Colorado, Minnesota, Nebraska, North Dakota, Wyoming and Iowa. The number of U.S. anglers has declined since 1975 and it is primarily due to a decrease in the number of anglers from the East North Central region. The decrease in the number of anglers from the West North Central region has been largely compensated by an increase in the number from the Mountain region.

Table 5. Origin of non-resident anglers who fished in Saskatchewan in 1975, 1980 and 1985.

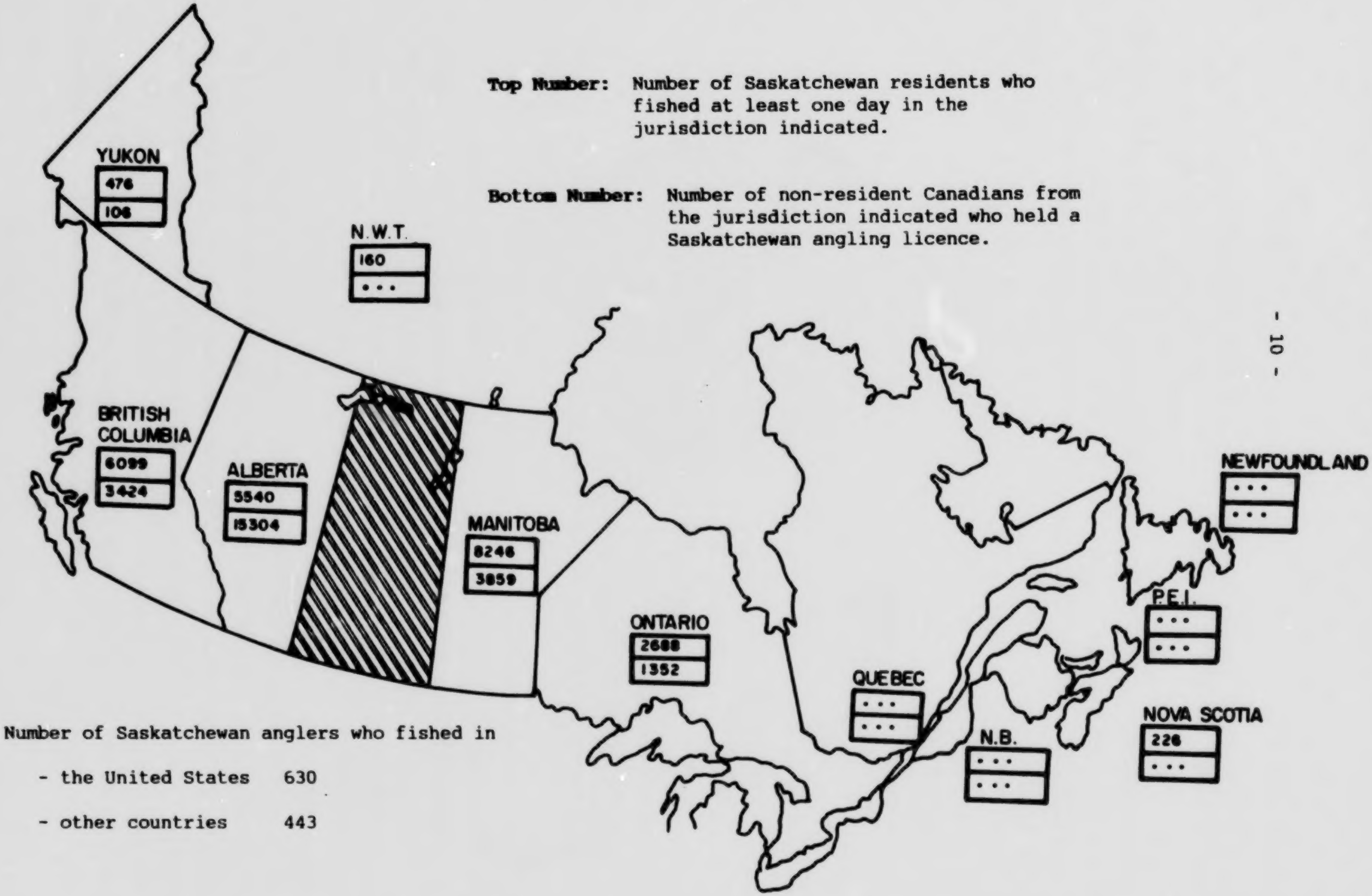
Province - State Group	1975	1980	1985
Canadian			
Quebec	93	594	...
Ontario	1,121	1,543	1,352
Manitoba	6,354	8,580	3,859
Alberta	11,868	15,991	15,305
British Columbia	3,644	3,338	3,424
North West Territories	280	...	...
Yukon Territory	93	...	106
Canadian Totals	23,454	30,046	24,046
Non-Canadian			
Mid-Atlantic, U.S.A.	73	199	422
East North Central, U.S.A.	3,049	1,536	1,868
West North Central, U.S.A.	11,275	10,129	6,950
Mountain, U.S.A.	3,267	4,710	6,526
Pacific, U.S.A.	1,380	724	1,444
South Atlantic, U.S.A.	218	266	338
East South Central, U.S.A.	218	266	...
West South Central, U.S.A.	871	1,550	1,190
Alaska	73	...	...
Other Countries	...	104	...
Non-Canadian Totals	20,424	19,484	18,738
Grand Totals	43,878	49,530	42,784

MOTIVATIONS

The tradition for fishing in Saskatchewan is strong (Table 6): almost all of the anglers who bought licences in 1985 fished in 1985. Eighty percent of the resident anglers indicated they had fished in 1984 and 67% of them had fished in 1980. In general, a higher proportion of anglers from the Northwest, Northeast, Southwest and Southeast Central areas fished in the period 1980-84 than anglers from the other areas of Saskatchewan (Appendix C, Table 1). There was more turnover among non-resident anglers but the pattern

Top Number: Number of Saskatchewan residents who fished at least one day in the jurisdiction indicated.

Bottom Number: Number of non-resident Canadians from the jurisdiction indicated who held a Saskatchewan angling licence.


YUKON
476
106
N.W.T.
160
• • •
BRITISH COLUMBIA
6099
3424
ALBERTA
5540
15304
MANITOBA
8246
3859
ONTARIO
2688
1352
QUEBEC
• • •
• • •
N.B.
• • •
• • •
P.E.I.
• • •
• • •
NOVA SCOTIA
226
• • •
NEWFOUNDLAND
• • •
• • •

Number of Saskatchewan anglers who fished in

- the United States	630
- other countries	443

Figure 3. Numbers of Saskatchewan residents fishing elsewhere in Canada and non-resident Canadians fishing in Saskatchewan, 1985.

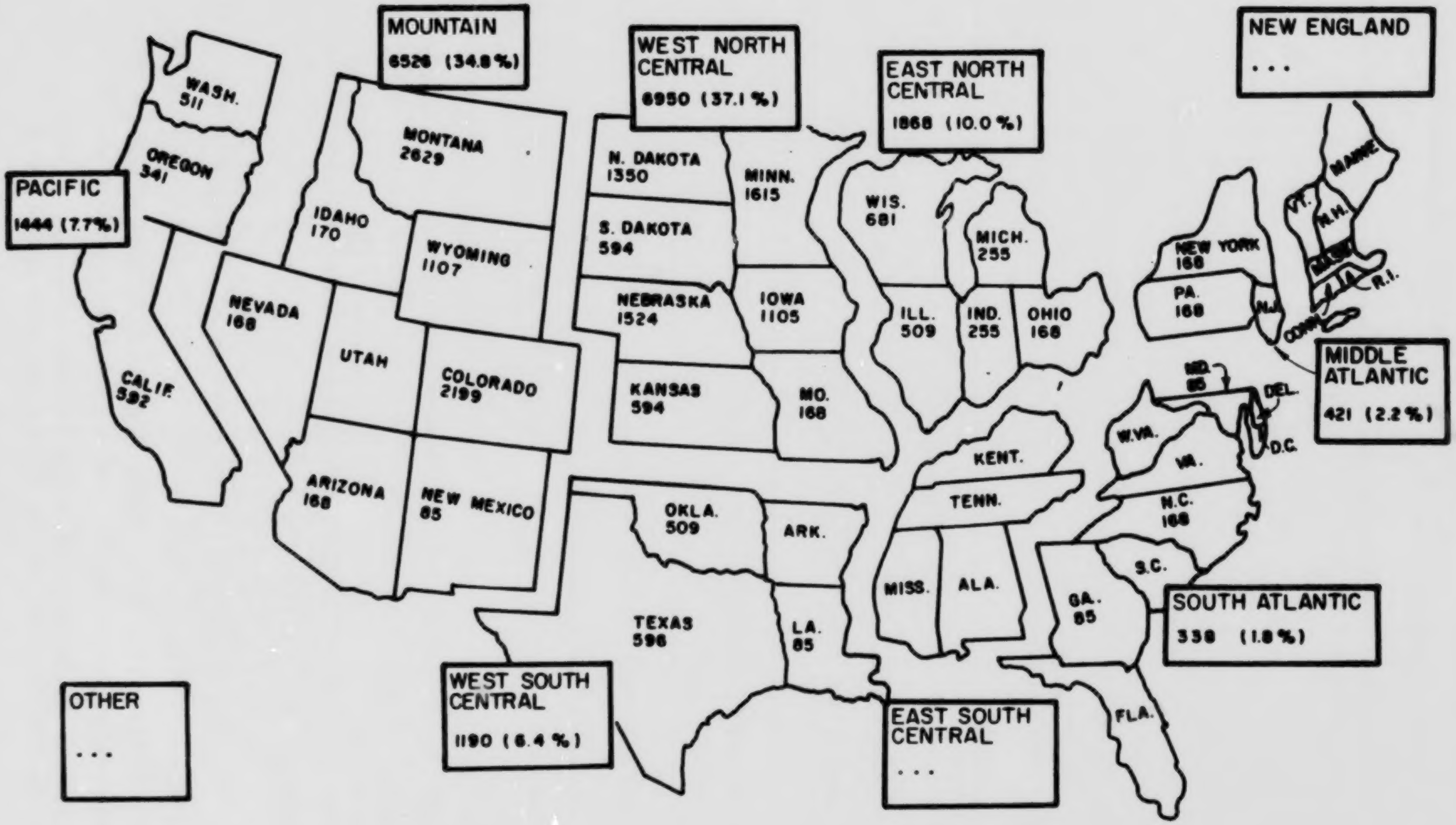

PACIFIC
1444 (7.7%)
WASH. 511
OREGON 341
CALIF. 592
MOUNTAIN
6526 (34.8%)
MONTANA 2629
IDAHO 170
WYOMING 1107
NEVADA 168
UTAH
COLORADO 2199
ARIZONA 168
NEW MEXICO 85
WEST NORTH CENTRAL
6950 (37.1%)
N. DAKOTA 1350
S. DAKOTA 594
NEBRASKA 1524
KANSAS 594
MINN. 1615
IOWA 1105
MO. 168
EAST NORTH CENTRAL
1868 (10.0%)
WIS. 681
MICH. 255
ILL. 509
IND. 255
OHIO 168
NEW ENGLAND
. . .
MAINE
VT.
N.H.
MASS.
CONN.
R.I.
NEW YORK 168
PA. 168
N.J.
MIDDLE ATLANTIC
421 (2.2%)
MD. 85
DEL.
D.C.
W.VA.
VA.
N.C. 168
S.C.
GA. 85
FLA.
SOUTH ATLANTIC
338 (1.8%)
KENT.
TENN.
MISS.
ALA.
EAST SOUTH CENTRAL
. . .
OKLA. 509
ARK.
TEXAS 598
LA. 85
WEST SOUTH CENTRAL
1190 (6.4%)
OTHER
. . .

Figure 4. Regional distribution of United States residents who held Saskatchewan angling licences in 1985.

Table 6. Fishing activity in Saskatchewan by active anglers who fished in the previous five years.

	Resident	Non-resident		Total
		Canadian	Other	
Number licences issued in 1985	157,761*	24,046	18,738	200,545
Number who fished in 1985	137,571	23,152	18,738	179,461
% active	87.2	96.3	100.0	89.5
No. 1985 anglers who fished in 1984	125,870	12,746	8,225	146,841
% of 1985	79.8	53.0	43.9	73.2
No. 1985 anglers who fished in 1983	125,177	13,248	7,708	146,133
% of 1985	79.4	55.1	41.1	72.9
No. 1985 anglers who fished in 1982	117,263	10,204	7,116	134,583
% of 1985	74.3	42.4	38.0	67.1
No. 1985 anglers who fished in 1981	111,526	9,110	6,092	126,728
% of 1985	70.7	37.9	32.5	63.2
No. 1985 anglers who fished in 1980	105,285	8,154	5,243	118,682
% of 1985	66.7	33.9	28.0	59.2

* Excludes one-day licences but includes senior citizens.

was similar (Table 6): in 1985, 49% reported they had fished in 1984 and 31% had fished in 1980.

The fishing activity of anglers in the five years previous to the 1980 survey was similar to that observed in 1985 (Figure 5). The principal exception was that the proportion who bought licences in 1985 and fished in the period 1980-85 inclusive was greater than the proportion who bought

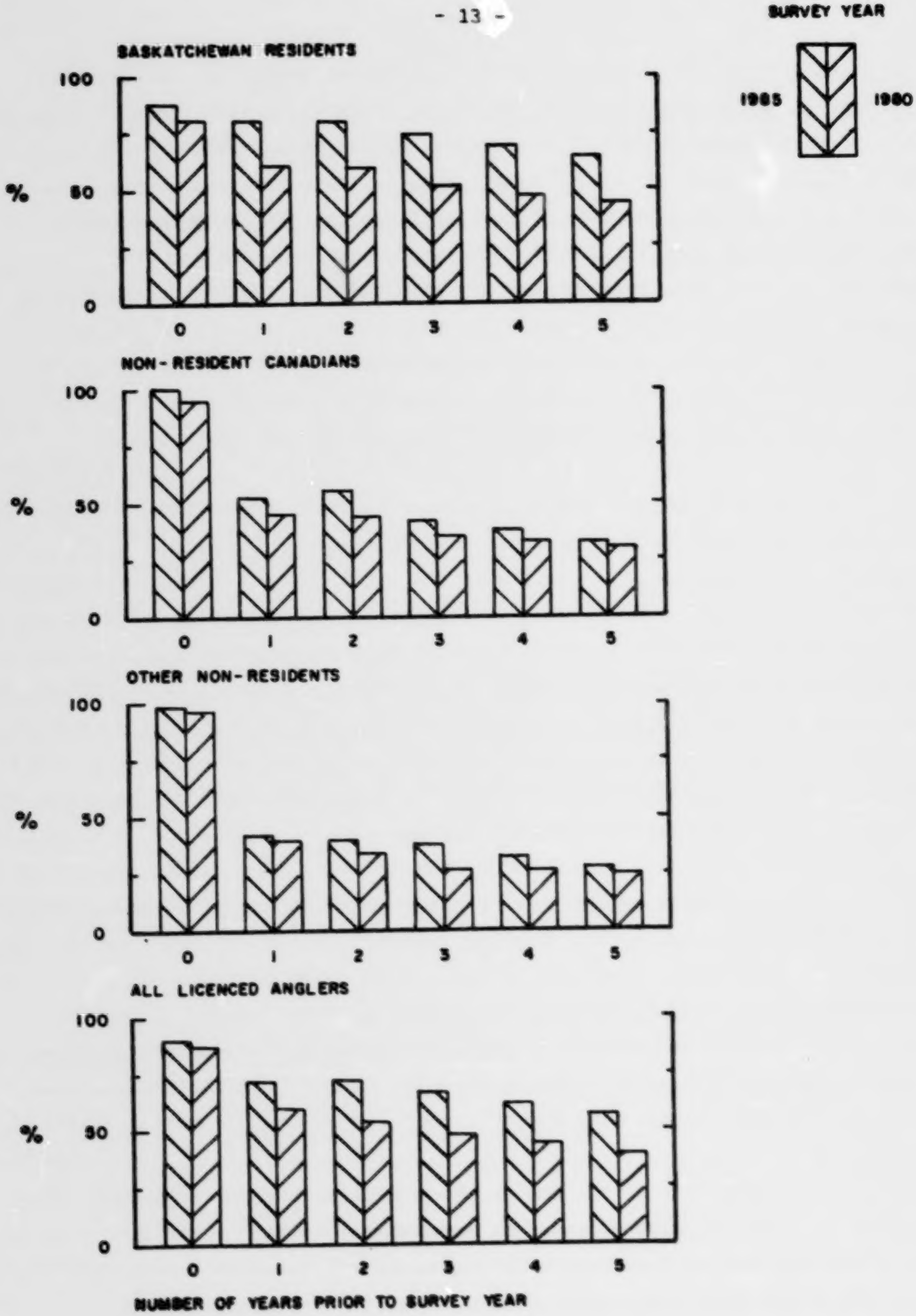


Figure 5. Fishing activity by active anglers in Saskatchewan who held angling licences in the five years prior to the 1980 and 1985 surveys.

licences in 1980 and fished in the period 1975-80 inclusive. Eighty-seven percent of the resident anglers who bought licences in 1985 fished in 1985 and 67% of them fished in 1980. In contrast, 80% of those who bought licences in 1980 fished in 1980 and 45% of them fished in 1975. The reason may be associated with the increased cost of angling licences. In 1980, when resident angling licences cost $5, 20% of those who bought them did not fish in 1980, whereas in 1985, when resident angling licences cost $10, 13% of those who bought them did not fish in 1985. In other words, those who bought angling licences in 1985 were more likely to have fished in 1985 as well as in the previous five years. The increased licence fees appear to have affected those who fished occasionally but not those who fished regularly.

In 1985, anglers rated environmental factors associated with fishing more important than fish or personal factors (Table 7). Environmental factors, which included the quality of the water, beauty of the surroundings, weather and access to wilderness, were important to 49% of the resident and 46% of the non-resident anglers. Personal factors, which included privacy and escape from routine, were important to 18% of the resident and 20% of the non-resident anglers. Fish factors, which included the number of fish caught, catching the desired species, size of fish, angling for wild fish (as opposed to introduced fish) and fish as a source of food, were important to 33% of the resident and 35% of the non-resident anglers.

Non-resident anglers made a total of 224,732 trips to Saskatchewan in 1985 for an average of 5.3 trips per person, of which 43% were for fishing (Table 8). Sixty-four percent of their fishing trips lasted more than a day; the average length of an overnight fishing trip was 4.7 days. Sixty-four percent of non-resident Canadians and 89% of other non-residents indicated that fishing was the primary reason for their trips. Similar results were obtained in 1980 (Figure 6).

In 1985, 97% of the non-resident anglers re-enforced the preceding by stating they planned to return to Saskatchewan to fish again in the future (Table 9) but 53% of them indicated they would not return if sport fishing was no longer available (Table 10). Similar results were obtained in 1980.

Table 7. Relative importance of factors affecting enjoyment of sport fishing in Saskatchewan in 1985.

Rank	Factor	Ranking Score		
		Residents	Non-residents	All Anglers
		%	%	%
1.	Quality of water	14.3	13.4	14.0
2.	Beauty of surroundings	13.6	13.0	13.4
3.	Weather conditions	12.2	10.1	11.7
4.	Escape from routine	10.5	10.2	10.4
5.	Access to wilderness areas	8.8	9.2	8.9
6.	Number of fish caught	8.2	8.0	8.2
7.	Privacy	7.7	9.3	8.1
8.	Catching desired species	7.6	8.5	7.9
9.	Size of fish caught	7.2	8.1	7.4
10.	Angling for wild fish	5.5	6.9	5.9
11.	Source of food	4.4	3.3	4.1

Non-resident anglers did not rate their fishing experiences in Saskatchewan in 1985 as positively as in 1980 (Table 11). Sixty-nine percent rated their fishing experiences as good-excellent in 1985 compared to 81% in 1980. Thirty-one percent rated their fishing experiences as fair-poor in 1985 compared to 19% in 1980.

In 1985, non-resident Canadians stayed with friends and relatives or in tents or trailers whereas other non-residents stayed at fishing lodges or in cottages (Table 12). Somewhat similar data were obtained in 1980 but comparison is difficult because different categories were utilized in the two surveys.

A total of 23,434 Saskatchewan anglers fished elsewhere in Canada in 1985 (Figure 3). Almost all of them fished in the provinces of British Columbia, Alberta, Manitoba and Ontario, usually while on vacation (Table 13).

Table 8. Fishing trip motivation for non-resident anglers in Saskatchewan in 1985.

	Canadian	Other	Total
		number of trips	
Fishing trips			
Main reason	41,085	28,871	69,956
Secondary reason	16,949	3,216	20,165
Decided after arrival	6,036	422	6,458
Totals	64,070	32,509	96,579
Total trips to Saskatchewan for all reasons	182,391	42,341	224,732
Trips per angler			
Fishing	2.7	1.7	2.3
Total	7.8	2.2	5.3

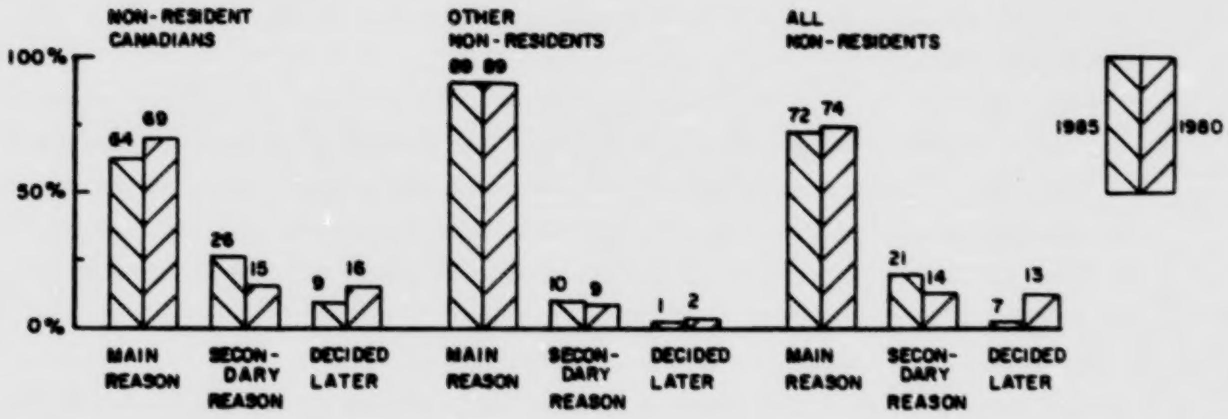


Figure 6. Rationale for fishing trips to Saskatchewan, 1980 and 1985.

Table 9. Projected future participation by non-resident anglers in Saskatchewan in 1980 and 1985.

Response	Canadian		Other		Total	
	1980	1985	1980	1985	1980	1985
	%	%	%	%	%	%
Yes	92.8	98.6	96.2	94.9	94.1	96.9
No	7.2	1.4	3.8	5.1	5.9	3.1
Totals	100.0	100.0	100.0	100.0	100.0	100.0

Table 10. Non-resident visit alternatives if there had been no fishing opportunities in Saskatchewan in 1980 and 1985.

	Canadian		Other		Total	
	1980	1985	1980	1985	1980	1985
	%	%	%	%	%	%
Stayed a shorter time	17.0	18.3	12.0	9.5	15.0	14.2
Substituted other activities	59.3	47.1	16.6	15.4	41.7	32.5
Not come at all	23.7	34.6	71.4	75.1	43.3	53.3
Totals	100.0	100.0	100.0	100.0	100.0	100.0

Some also fished in the Yukon, North West Territories and Nova Scotia. An additional 630 Saskatchewan residents fished in the United States and 443 fished in other courtries. More Saskatchewan anglers fished outside the province in 1985 than in 1975 or 1980 (Table 14).

Table 11. Non-resident views of their fishing experiences in Saskatchewan, 1980 and 1985.

Rating	Canadian		Other		Total	
	1980	1985	1980	1985	1980	1985
	%	%	%	%	%	%
Excellent	14.6	10.4	43.4	28.0	26.2	18.4
Very good	21.4	13.7	28.5	29.0	24.3	20.6
Good	36.2	36.0	21.0	23.8	30.1	30.4
Fair	18.4	19.3	4.8	10.1	12.9	15.2
Poor	9.4	20.6	2.3	9.1	6.5	15.4

Table 12. Types of accommodation used by non-resident anglers in Saskatchewan in 1985.

Accommodation	Canadian		Other		Total	
	no. nights	%	no. nights	%	no. nights	%
Friends and relatives	69,581	28.2	22,731	13.1	92,312	21.9
Tent or trailer	38,999	15.8	16,313	9.4	55,312	13.1
Cottages	28,988	11.7	25,168	14.5	54,156	12.9
Provincial parks	26,085	10.6	13,202	7.6	39,287	9.3
Crown land camps	3,727	1.5	6,634	3.8	10,361	2.5
Commercial camps	3,691	1.5	18,682	10.7	22,373	5.3
Fishing lodges	29,001	11.7	55,153	31.7	84,154	20.0
Other commercial lodging	13,590	5.5	14,462	8.3	28,052	6.7
Other	33,281	13.5	1,532	0.9	34,813	8.3
Totals	246,943	100.0	173,877	100.0	420,820	100.0

In 1985, 21% of Saskatchewan anglers hunted big game, 11% hunted small game and 17% hunted birds (Table 15). Some 15-18% also photographed nature, watched birds and fed wildlife. Overall, 28% of resident anglers were members of national, provincial and/or local fish and wildlife organizations.

Table 13. Reasons for Saskatchewan residents fishing outside the province in 1985.

Reason	Number
Species not available	2,721
On vacation, business, etc.	14,663
Other reasons	4,352

Table 14. Numbers of Saskatchewan residents who fished elsewhere in 1975, 1980 and 1985.

Place Fished	1975	1980	1985
Canada - Alberta	4,419	1,849	5,540
- British Columbia	3,483	5,104	6,099
- Manitoba	6,998	6,905	8,246
- North West Territories	135	164	160
- Nova Scotia	...	...	226
- Ontario	1,092	982	2,688
- Yukon	342	...	476
United States	1,164	868	630
Other Countries	208	655	443
Totals	17,841	16,527	24,508

Table 15. Resident angling participation in wildlife related activities, Saskatchewan, 1985.

Activity	Participation
	%
Hunting big game	28.9
Hunting small game	14.9
Hunting game birds/waterfowl	23.0
Photographing nature	25.1
Watching birds	21.0
Feeding wildlife	24.6

PREFERENCES

The North Central and South areas were most preferred by anglers with 42% of all anglers fishing there in 1985 (Table 16). In general, non-residents preferred the northern areas with 69% fishing the North, North Central, Northwest Central and Tobin Lake areas. In contrast, 54% of the resident anglers fished the southern areas. The North Central area was also popular for resident anglers and was fished by almost as many resident anglers as the South.

As in 1980, anglers fished in more than one area of the province. On the average, resident anglers fished 1.6 areas and non-residents 1.2 areas (Table 16). Anglers from the Northwest, Southwest and Southeast Central areas fished 1.7 areas whereas other resident anglers fished fewer areas. The reason is probably primarily associated with the small size of the Northwest, Southwest, Northeast and Southeast Central areas.

Walleye and pike, in that order, were the two most preferred species in Saskatchewan in 1985 (Table 17). Although perch were third in preference for resident anglers and lake trout were third for non-resident anglers, the third and remaining preferences were dependent on the area fished as well as the area of residence (Appendix C, Tables 3-5). Thus perch were preferred in the southern areas and lake trout in the northern areas.

Table 16. Numbers of anglers who fished in each area of Saskatchewan in 1985.

Area Fished	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
North	6,536	418	6,954	1,798	2,978	4,776	11,730
North Central	37,001	2,837	39,838	7,824	11,026	18,850	58,688
Northwest Central	22,481	1,533	24,014	5,747	930	6,677	30,691
Northeast Central	22,928	2,576	25,504	2,415	507	2,922	28,426
Tobin Lake	6,945	420	7,365	425	760	1,185	8,550
Southwest Central	24,603	1,820	26,423	4,163	511	4,674	31,097
Southeast Central	16,446	1,506	17,952	1,362	338	1,700	19,652
South	44,377	4,652	49,029	4,066	2,542	6,608	55,637
Qu'Appelle	25,182	2,924	28,106	1,053	1,354	2,407	30,513
Total number of of anglers	206,499	18,686	225,185	28,853	20,946	49,799	274,984
Mean number of areas fished per angler	1.6	1.6	1.6	1.2	1.1	1.2	1.5
Number of individual fishermen	125,572	11,999	137,571	23,152	18,738	41,890	179,461

In 1985, anglers indicated they would like to see more bass introduced into Saskatchewan (Table 18). Resident anglers indicated that salmon and trout were their second and third preferences whereas non-resident anglers indicated that smallmouth bass and muskellunge were their second and third preferences.

Table 17. Species preferred by anglers in Saskatchewan, 1985.

Rank	Resident		Non-resident	
	Licenced	Senior Citizen	Canadian	Other
1	Walleye	Walleye	Walleye	Walleye
2	Pike	Pike	Pike	Pike
3	Perch	Perch	Lake trout	Lake trout
4	Lake trout	Lake trout	Perch	Trout - general
5	Trout - general	Trout - general	Trout - general	Perch
6	Rainbow trout	Rainbow trout	Rainbow trout	Grayling
7	Brook trout	Whitefish	Splake	Rainbow trout
8	Splake	Other fish	Brook trout	Kokanee
9	Grayling	Goldeye	Whitefish	Brown trout
10	Whitefish	Splake	Grayling	Brook trout

Table 18. Species introductions sought by anglers in Saskatchewan in 1985.

Species Preference	Resident	Non-resident
1	Bass - general	Bass -general
2	Salmon - general	Smallmouth bass
3	Trout - general	Muskellunge
4	Kokanee	Largemouth bass
5	Rainbow trout	Salmon - general
6	Muskellunge	Rainbow trout
7	Largemouth bass	Kokanee
8	Lake trout	Grayling
9	Catfish	Trout - general
10	Smallmouth bass	Dolly varden trout

ANGLER FISHING EFFORT

Anglers fished an estimated 1,946,043 days in Saskatchewan in 1985 (Table 19; Appendix D, Tables 1-3), 6.5% fewer than in 1980 and 3.7% fewer than in 1975. Between 80% and 90% of the effort was expended in the six month period April-December (Figure 7). As in 1975 and 1980, July was the peak month for resident anglers and June for non-resident anglers. Residents, who accounted for 83% of all angling activity in 1985, fished an average of 11.8 days, whereas non-residents averaged 7.8 days. On the average in 1985, residents fished one-half day less than in 1975 and one and one-half days less than in 1980, whereas non-residents fished one day more than in 1975 and one and one-half days more than in 1980.

The North and North Central fishing areas of Saskatchewan continued to be the prime attraction for non-resident anglers with 49% of their angling effort occurring there (Figure 8). In 1975 and 1980, non-resident anglers spent more than 60% of their fishing effort in these two areas (Figure 9). As in 1975 and 1980, residents fished in the southern half of the province, with more than 80% of their fishing activities occurring there (Appendix D, Table 3).

In 1985, resident angler fishing effort decreased by more than 100,000 angler-days from values estimated for 1975 and 1980 whereas non-resident angler fishing effort increased by more than 33,000 angler-days (Table 20). The proportion of resident anglers fishing in each area has remained relatively consistent since 1975 (Figure 9) except for the Qu'Appelle area in which the number of angler-days decreased by 131,904, or 6.5% since 1975. Non-resident angler fishing effort decreased in the North and North Central areas and increased in the West Central, East Central and South areas.

In 1985, 57% of the total fishing effort occurred in the Southern Management Zone, 39% in the Central Zone and 4% in the Northern Zone (Table 21). The Southern Zone had 63% of the resident fishing effort but only 30% of the non-resident fishing effort. In contrast, the Central Zone had 35% of the resident fishing effort and 62% of the non-resident fishing effort. The

Table 19. **Numbers of angler-days expended by active adult anglers in Saskatchewan in 1985.**

Month	Resident			Non-resident			Total
	Licenced	Senior citizen	Total	Canadian	Other	Total	
Jan	58,732	3,203	61,935	2,319	831	3,150	65,085
Feb	67,280	2,688	69,968	2,319	664	2,983	72,951
Mar	65,459	5,193	70,652	2,339	0	2,339	72,991
Apr	25,118	1,236	26,354	1,256	0	1,256	27,610
May	130,534	13,650	144,184	12,275	19,498	31,773	175,957
Jun	285,922	34,780	320,702	41,664	71,451	113,115	433,817
Jul	390,688	35,990	426,678	61,191	30,186	91,377	518,055
Aug	246,219	19,289	265,508	38,373	16,553	54,926	320,434
Sep	107,763	11,896	119,659	8,781	6,310	15,091	134,750
Oct	34,444	3,901	38,345	4,851	1,358	6,209	44,554
Nov	20,434	1,776	22,210	1,914	255	2,169	24,379
Dec	48,976	2,456	51,432	3,266	762	4,028	55,460
Total	1,481,569	136,058	1,617,627	180,548	147,868	328,416	1,946,043
Average/angler	11.8	11.3	11.8	7.8	7.9	7.8	10.8

Northern Zone had 2% of the resident and 8% of the non-resident fishing effort.

A total of 17,493 anglers expended 72,409 angler-days fishing for stocked trout (Table 22). Fifty-five percent of them fished for rainbow trout, 20% for brook trout, 5% for brown trout, 18% for splake and 2% for kokanee.

In 1985, most anglers fished in one area and on one waterbody (Table 23). Some licenced resident anglers fished in as many as five areas and 15 waterbodies whereas non-resident anglers fished in a maximum of three areas and seven waterbodies. Similar observations were obtained in 1980 indicating

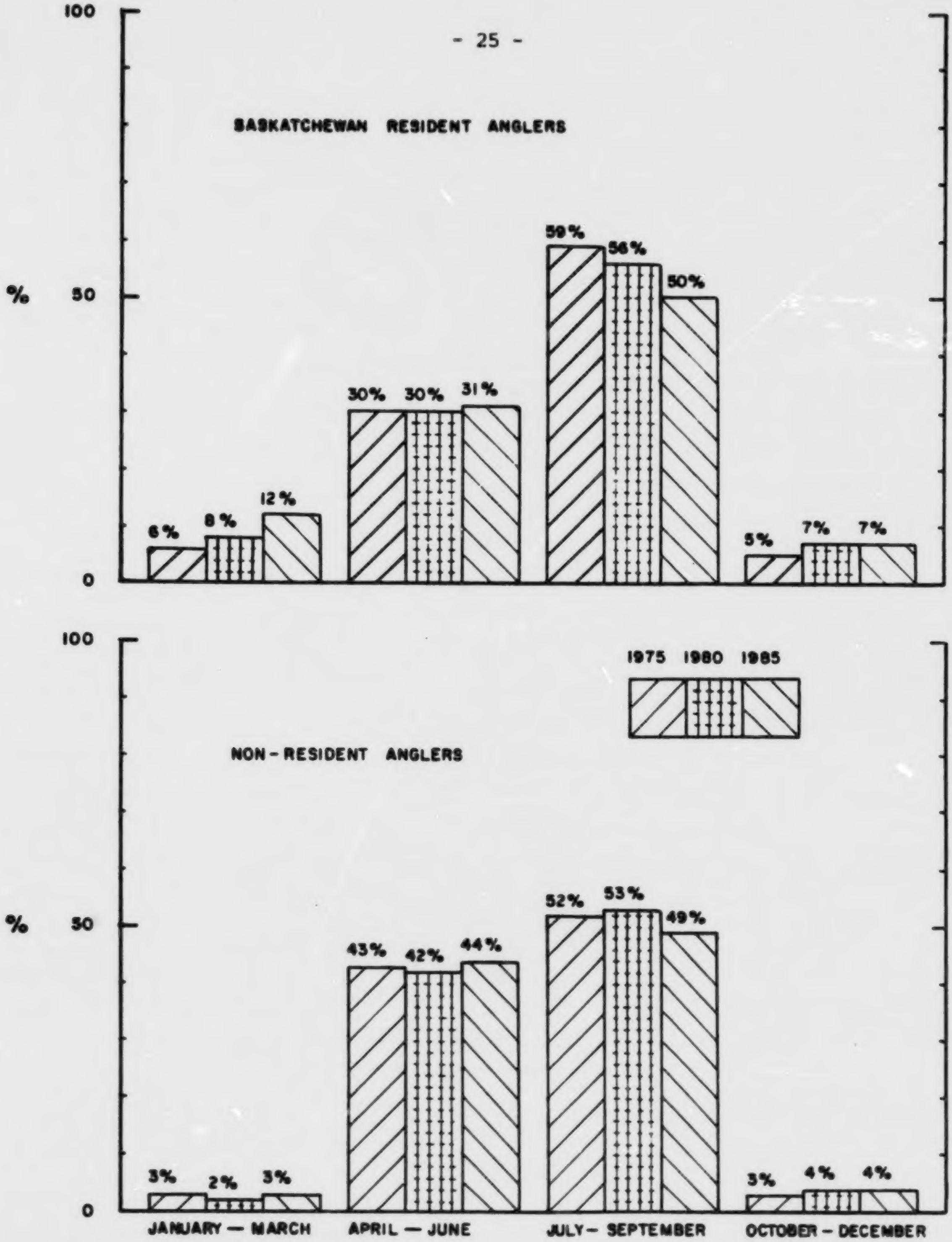
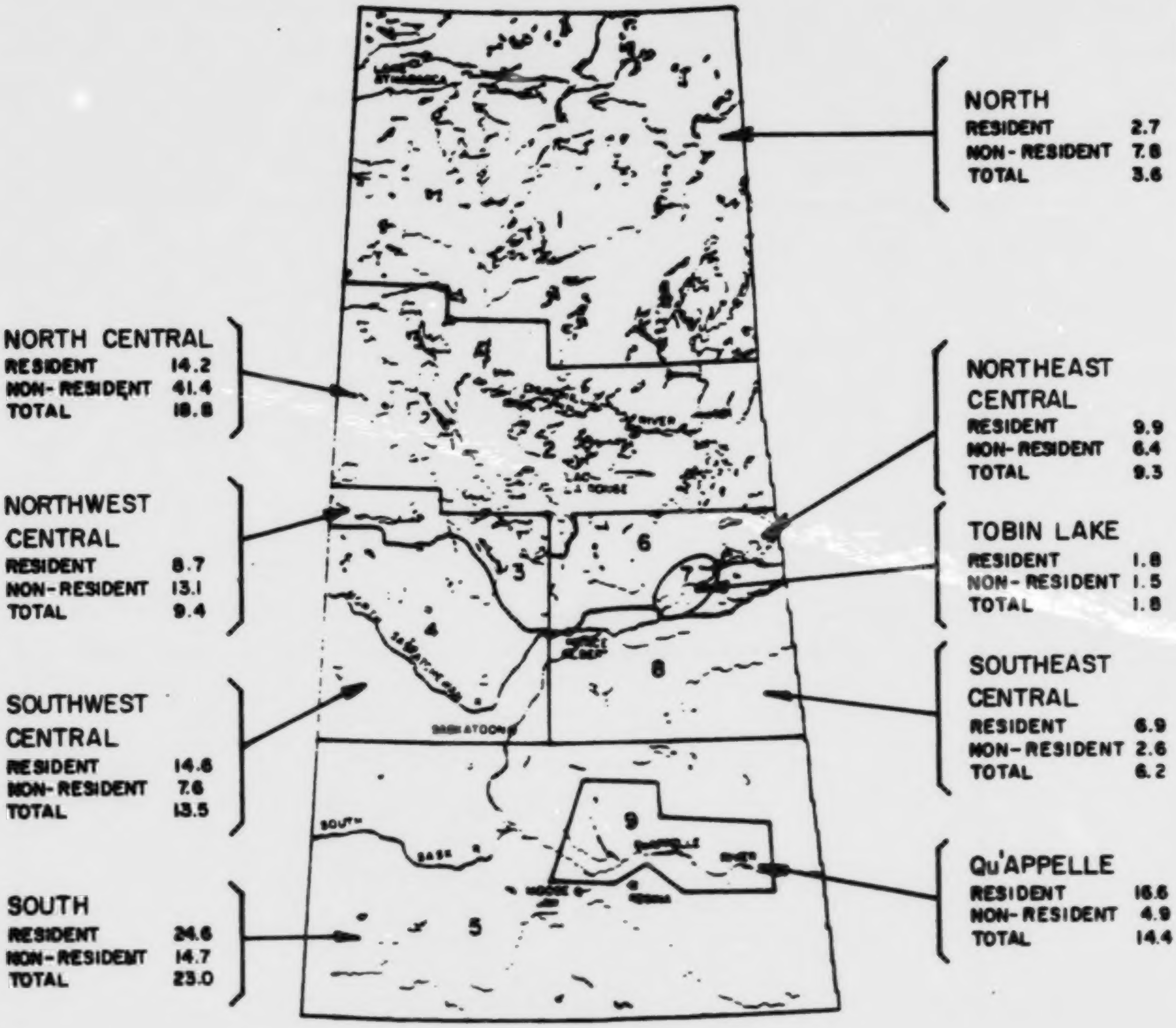


Figure 7. Seasonal distribution of angling effort, Saskatchewan, 1975, 1980 and 1985.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SASKATCHEWAN R.
PRINCE ALBERT
8
SASKATOON
9
QU'APPELLE RIVER
SOUTH
SASK R.
MOOSE JAW
REGINA
5

NORTH	
RESIDENT	2.7
NON-RESIDENT	7.8
TOTAL	3.6

NORTH CENTRAL	
RESIDENT	14.2
NON-RESIDENT	41.4
TOTAL	18.8

NORTHEAST CENTRAL	
RESIDENT	9.9
NON-RESIDENT	6.4
TOTAL	9.3

NORTHWEST CENTRAL	
RESIDENT	8.7
NON-RESIDENT	13.1
TOTAL	9.4

TOBIN LAKE	
RESIDENT	1.8
NON-RESIDENT	1.5
TOTAL	1.8

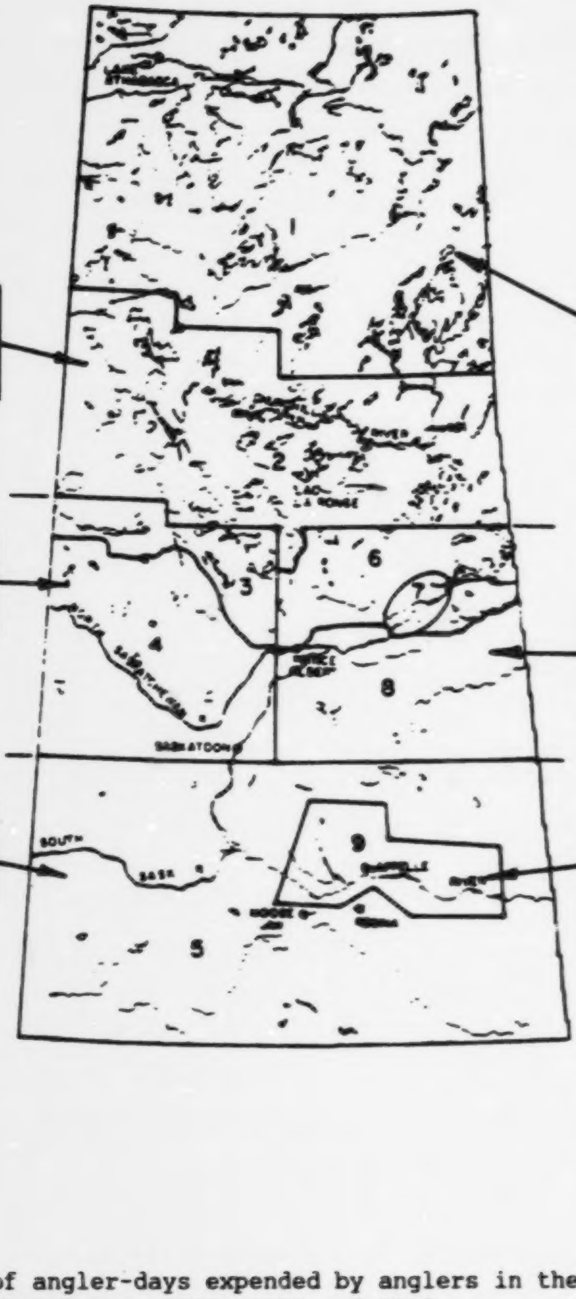
SOUTHWEST CENTRAL	
RESIDENT	14.6
NON-RESIDENT	7.6
TOTAL	13.5

SOUTHEAST CENTRAL	
RESIDENT	6.9
NON-RESIDENT	2.6
TOTAL	6.2

SOUTH	
RESIDENT	24.6
NON-RESIDENT	14.7
TOTAL	23.0

Qu'APPELLE	
RESIDENT	16.6
NON-RESIDENT	4.9
TOTAL	14.4

Figure 8. Percentage of angler-days expended by anglers in each fishing area of Saskatchewan in 1985.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LAC LA RONGE
SASKATOON
PRINCE ALBERT
SOUTH SASK R.
MOOSE JAW
REGINA

NORTH CENTRAL	1975	1980	1985
RESIDENT	13.6	14.2	14.2
NON-RESIDENT	47.8	50.1	41.4
TOTAL	18.6	19.3	18.8

WEST CENTRAL	1975	1980	1985
RESIDENT	22.2	19.1	23.3
NON-RESIDENT	16.4	14.5	20.7
TOTAL	21.3	18.5	22.9

SOUTH	1975	1980	1985
RESIDENT	14.5	17.1	24.6
NON-RESIDENT	7.4	10.2	14.7
TOTAL	13.4	16.1	23.0

NORTH	1975	1980	1985
RESIDENT	2.2	4.4	2.7
NON-RESIDENT	12.6	9.9	7.8
TOTAL	3.7	5.1	3.6

EAST CENTRAL	1975	1980	1985
RESIDENT	24.4	27.8	18.6
NON-RESIDENT	9.2	10.5	10.5
TOTAL	22.3	25.4	17.3

Qu'APPELLE	1975	1980	1985
RESIDENT	23.1	17.4	16.6
NON-RESIDENT	6.6	4.8	4.9
TOTAL	20.7	15.6	14.4

Figure 9. Percentage of angler-days expended by anglers in the major fishing areas of Saskatchewan, 1975, 1980 and 1985.

Table 20. **Numbers of angler-days expended by active adult anglers in each fishing area of Saskatchewan, 1975, 1980 and 1985.**

Angler Type	**Fishing Area**	1975	1980	1985
Resident	North	37,917	78,248	43,267
	North Central	234,399	252,529	229,623
	West Central	382,622	339,670	377,817
	East Central	420,539	494,388	302,174
	South	249,911	304,103	398,516
	Qu'Appelle	398,134	309,438	266,230
	Totals	1,723,522	1,778,376	1,617,627
Non-resident	North	37,136	29,038	25,739
	North Central	140,881	146,948	136,056
	West Central	48,336	42,530	67,815
	East Central	27,115	30,796	34,335
	South	21,810	29,918	48,278
	Qu'Appelle	19,452	14,079	16,193
	Totals	294,730	293,309	328,416
All Anglers	North	75,053	107,286	69,006
	North Central	375,280	399,477	365,679
	West Central	430,958	382,200	445,632
	East Central	447,654	525,184	336,509
	South	271,721	334,021	446,794
	Qu'Appelle	417,586	323,517	282,423
	Totals	2,018,252	2,071,685	1,946,043

that non-resident anglers tended to fish one waterbody (usually a lake) whereas licenced resident anglers tended to fish in two or three areas and several lakes and streams.

Respondents to the survey of sport fishing in Saskatchewan fished a total of 595 waterbodies in 1985 (Table 24). Resident licenced anglers fished most, 84%, of these, and Saskatchewan senior citizens fished least, 20%. Canadian and other non-resident anglers tended to fish different waterbodies. Almost half of the lakes fished were in the Central Management Zone and 54% of these were in the North Central survey area alone.

Table 21. Numbers of angler-days expended by active adult anglers in each fisheries management zone of Saskatchewan, 1985.

Fisheries Management Zone	Survey Area	Resident			Non-resident			Total
		Licenced	Senior Citizen	Total	Canadian	Other	Total	
Northern	North	40,655	2,612	43,267	8,041	17,698	25,739	69,006
Central	North Central	214,416	15,207	229,623	49,028	87,028	136,056	365,679
	Northwest Central	136,659	4,141	140,800	38,975	3,987	42,962	183,762
	Northeast Central	141,810	18,994	160,804	17,150	3,817	20,967	181,771
	Tobin Lake	28,886	953	29,839	957	4,057	5,014	34,853
	Totals	521,771	39,295	561,066	106,110	98,889	204,999	766,065
Southern	Southwest Central	220,564	16,453	237,017	21,022	3,831	24,853	261,870
	Southeast Central	98,123	13,408	111,531	6,406	1,948	8,354	119,885
	South	358,534	39,982	398,516	29,526	18,752	48,278	446,794
	Qu'Appelle	241,922	24,308	266,230	9,443	6,750	16,193	282,423
	Totals	919,143	94,151	1,013 294	66,397	31,281	97,678	1,110,972
All		1,481,569	136,058	1,617,627	180,548	147,868	328,416	1,946,043

Table 22. Numbers of active adult anglers and angler-days expended fishing for stocked, major and other species, Saskatchewan, 1985.

Species Category	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Anglers							
Stocked species	14,904	550	15,454	1,701	338	2,039	17,493
Major and other species	110,663	11,449	122,112	21,651	18,400	40,051	162,163
Totals	125,567	11,999	137,566	23,352	18,738	42,090	179,656
Angler-days							
Stocked species	61,509	1,164	62,673	9,144	592	9,736	72,409
Major and other species	1,420,060	134,894	1,554,954	171,404	147,276	318,680	1,873,634
Totals	1,481,569	136,058	1,617,627	180,548	147,868	328,416	1,946,043

Resident anglers tended to fish in the area in which they lived (Table 25). In 1985, residents of the North Central area, for example, spent 66% of their angler-days there, 26% in the North area and the remaining 8% in the rest of the province. In contrast, residents of the South area spent 49% of their angler-days there, 20% in the Qu'Appelle area and the remaining 31% in the rest of the province. Similar observations were obtained in 1975 and 1980 (Table 26).

Table 23. **Numbers of areas and waterbodies fished by active adult anglers in Saskatchewan in 1985.**

	Residents			Non-residents			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
	%	%	%	%	%	%	%
Number of Areas Fished							
1	55.6	64.5	56.8	79.6	90.0	84.8	65.7
2	27.9	22.6	27.2	17.2	8.6	13.0	22.7
3	11.8	10.5	11.6	3.2	0.9	2.0	8.5
4	4.0	2.4	3.8	0.0	0.5	0.2	2.7
5	0.7	0.0	0.6	0.0	0.0	0.0	0.4
Totals	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of Waterbodies Fished							
1	41.0	52.4	42.5	65.0	75.9	70.4	51.4
2	26.4	21.0	25.6	22.7	15.9	19.4	23.6
3	13.4	11.3	13.1	5.9	5.4	5.7	10.8
4	10.2	8.9	10.0	2.8	2.4	2.5	7.6
5	3.5	4.8	3.7	1.4	0.4	0.9	2.8
6	1.8	0.8	1.7	1.8	0.0	0.9	1.4
7	1.7	0.8	1.6	0.4	0.0	0.2	1.2
8	1.3	0.0	1.2	0.0	0.0	0.0	0.8
9	0.2	0.0	0.2	0.0	0.0	0.0	0.1
10	0.4	0.0	0.3	0.0	0.0	0.0	0.2
>10	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Totals	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table 24. **Numbers of lakes fished by respondents to the survey of sport fishing in Saskatchewan in 1985.**

Survey Area	Resident			Non-resident			Total*
	Licenced	Senior Citizen	Total*	Canadian	Other	Total*	
Northern Management Zone							
North	47	4	48	23	25	42	74
Central Management Zone							
North Central	112	19	117	42	57	81	155
Northwest Central	64	13	65	20	6	24	72
Northeast Central	55	18	57	14	6	18	59
Tobin Lake	1	1	1	1	1	1	1
Totals	232	51	240	77	70	124	287
Southern Management Zone							
Southwest Central	66	16	68	26	7	29	72
Southeast Central	42	10	43	11	3	13	45
South	96	27	98	19	13	27	101
Qu'Appelle	15	10	16	6	7	9	16
Totals	219	63	225	62	30	78	234
All Management Zones							
	498	118	513	162	125	244	595

* Totals indicate the number of waterbodies fished by two or more groups of anglers. Because one waterbody can be fished by more than one type of angler, row totals are not the sums of the data in each survey area.

Table 25. Fishing effort expended by resident anglers from each area of Saskatchewan expressed as a percentage of the angler-days spent in each area in 1985.

Area of Residence	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
North	**100.0**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
North Central	3.8	**90.0**	0.0	1.6	0.8	0.0	2.3	0.0	1.5	100.0
Northwest Central	3.2	25.2	**62.7**	1.3	0.0	6.4	0.0	0.8	0.4	100.0
Northeast Central	1.2	13.4	0.6	**58.7**	7.9	0.0	6.3	10.0	1.9	100.0
Southwest Central	1.3	14.1	14.0	5.2	0.2	**49.1**	2.1	13.5	0.5	100.0
Southeast Central	1.2	18.8	9.0	32.1	6.6	2.8	**25.7**	2.4	1.4	100.0
South	1.5	9.1	3.8	5.0	0.9	6.9	4.7	**46.6**	21.5	100.0
Qu'Appelle	5.6	15.3	0.6	4.7	2.1	1.5	3.0	1.7	**65.5**	100.0

Table 26. Fishing effort expended by resident anglers from the major fishing areas of Saskatchewan expressed as a percentage of the angler-days spent in each area in 1975, 1980 and 1985.

Area of Residence	Year	Area Fished						
		North	North Central	West Central	East Central	South	Qu'Appelle	Total
North	1975	**88.7**	6.6	2.0	0.0	2.7	0.0	100.0
	1980	**55.2**	9.4	1.7	1.0	3.7	25.0	100.0
	1985	**100.0**	0.0	0.0	0.0	0.0	0.0	100.0
North Central	1975	2.7	**96.1**	0.6	0.0	0.6	0.0	100.0
	1980	3.2	**51.5**	17.3	18.0	10.0	0.0	100.0
	1985	3.8	**90.0**	0.0	4.7	0.0	1.5	100.0
West Central	1975	1.9	12.1	**60.5**	18.1	4.7	2.7	100.0
	1980	2.0	18.1	**52.8**	22.9	2.4	1.8	100.0
	1985	1.6	15.9	**64.0**	6.5	11.6	0.4	100.0
East Central	1975	1.2	20.1	7.2	**69.2**	2.2	0.1	100.0
	1980	2.1	11.5	7.1	**74.8**	3.0	1.5	100.0
	1985	1.2	18.2	10.5	**65.5**	3.3	1.3	100.0
South	1975	0.5	9.5	8.5	15.4	**28.1**	38.0	100.0
	1980	1.2	9.4	7.6	18.9	**33.5**	29.4	100.0
	1985	1.5	9.1	10.6	10.7	**46.6**	21.5	100.0
Qu'Appelle	1975	0.9	3.0	3.6	10.1	3.0	**79.4**	100.0
	1980	0.4	11.4	5.4	7.7	10.6	**64.5**	100.0
	1985	5.6	15.3	2.2	9.9	1.7	**65.3**	100.0

ANGLER HARVEST

ALL SPECIES

In 1985, anglers in Saskatchewan caught an estimated 8.2 million fish of all species (Table 27), of which they retained 4.7 million (Table 28; Appendix E, Tables 1-7), weighing about 4.2 million kg (Table 29; Appendix E, Tables 8-14). More than half the harvest came from the Southern Management Zone (Table 30). The total harvest in Saskatchewan is considerably greater than the 4.7 million fish estimated because it does not include fish taken by anglers under 16 years of age. Children comprised 28% of the estimated active anglers and their harvest could substantially increase the total. There is, however, no way of estimating this harvest from the available data.

The mean weight of fish harvested in 1985 was 0.9 kg (Table 29). The average for non-resident anglers, 1.1 kg, was higher than for resident anglers, 0.8 kg, because the former took very few perch.

Pike, walleye and perch, in that order, comprised 92% of the harvest by number (Figure 10). Resident anglers caught 84% of the fish harvested (Table 30). Resident anglers kept 66% and non-resident anglers kept 35% of the fish they caught (Table 31). Senior citizens kept most of the fish they caught, 81%, whereas other non-residents kept the least, 26%. Anglers kept a higher proportion of the stocked species, 83%, than of the major species, 58%. Although walleye and pike were the species most preferred by all anglers in Saskatchewan in 1985 (Table 17), residents actually harvested more pike than walleye and non-residents harvested more walleye than pike (Table 28).

About 80% of the harvest came from three principal areas of the province: North Central, West Central (i.e., the Northwest Central and Southwest Central areas together) and South, including Qu'Appelle (Appendix E, Tables 7 and 14). The South provided the largest number, 1.8 million fish, or 37% of the total number harvested whereas the North Central provided the greatest weight, 1.3 million kg, or 31% of the total weight harvested.

These areas were also important in terms of the species harvests

Table 27. Numbers of fish caught by active adult anglers in Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Major Species							
Pike	2,272,859	145,985	2,418,844	305,911	824,243	1,130,154	3,548,998
Walleye	1,549,186	112,080	1,661,266	212,666	540,207	752,873	2,414,139
Perch	1,409,892	79,717	1,489,609	68,078	40,829	108,907	1,598,516
Lake trout	179,676	14,176	193,852	33,930	100,497	134,427	328,279
Totals	5,411,613	351,958	5,763,571	620,585	1,505,776	2,126,361	7,889,932
Stocked Species							
Rainbow trout	83,562	2,704	86,266	4,891	2,043	6,934	93,200
Brook trout	16,087	634	16,721	2,871	83	2,954	19,675
Brown trout	3,527	65	3,592	319	0	319	3,911
Splake	15,912	211	16,123	744	0	744	16,867
Kokanee	1,619	423	2,042	0	0	0	2,042
Totals	120,707	4,037	124,744	8,825	2,126	10,951	135,695
Other Species							
Whitefish	60,451	1,964	62,415	4,030	758	4,788	67,203
Goldeye	15,961	3,614	19,575	425	511	936	20,511
Grayling	10,569	528	11,097	106	10,387	10,493	21,590
Others*	61,247	3,969	65,216	4,224	2,552	6,776	71,992
Totals	148,228	10,075	158,303	8,785	14,208	22,993	181,296
All Species	5,680,548	366,070	6,046,618	638,195	1,522,110	2,160,305	8,206,923

*Others are fish which were not identified by respondents.

Table 28. Numbers of fish retained by active adult anglers in Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Major Species							
Pike	1,359,457	114,199	1,473,656	119,689	142,343	262,032	1,735,688
Walleye	1,126,967	100,575	1,227,542	147,418	189,741	337,159	1,564,701
Perch	940,447	55,391	995,838	48,827	25,517	74,344	1,070,182
Lake trout	95,126	13,606	108,732	26,487	31,909	58,396	167,128
Totals	3,521,997	283,771	3,805,768	342,421	389,510	731,931	4,537,699
Stocked Species							
Rainbow trout	70,314	2,253	72,567	3,190	1,277	4,467	77,034
Brook trout	12,491	634	13,125	2,340	83	2,423	15,548
Brown trout	3,099	65	3,164	0	0	0	3,164
Splake	13,466	211	13,677	744	0	744	14,421
Kokanee	1,619	423	2,042	0	0	0	2,042
Totals	100,989	3,586	104,575	6,274	1,360	7,634	112,209
Other Species							
Whitefish	43,085	1,964	45,049	3,924	255	4,179	49,228
Goldeye	9,764	2,768	12,532	319	0	319	12,851
Grayling	7,736	528	8,264	106	766	872	9,136
Others*	38,618	3,293	41,911	3,308	1,617	4,925	46,836
Totals	99,203	8,553	107,756	7,657	2,638	10,295	118,051
All Species	3,722,189	295,910	4,018,099	356,352	393,508	749,860	4,767,959

*Others are fish which were not identified by respondents.

Table 29. Estimated weight of fish retained by active adult anglers in Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
	kg	kg	kg	kg	kg	kg	kg
Major Species							
Pike	1,570,982	131,450	1,702,432	145,154	208,974	354,128	2,056,560
Walleye	1,009,183	88,482	1,097,665	135,674	177,537	313,211	1,410,876
Perch	206,897	12,186	219,083	10,741	5,614	16,355	235,438
Lake trout	187,398	26,803	214,201	52,179	62,860	115,039	329,240
Totals	2,974,460	258,921	3,233,381	343,748	454,985	798,733	4,032,114
Stocked Species							
Rainbow trout	83,673	2,680	86,353	3,796	1,519	5,315	91,668
Brook trout	5,871	298	6,169	1,100	39	1,139	7,308
Brown trout	1,642	34	1,676	0	0	0	1,676
Splake	15,890	249	16,139	898	0	898	17,017
Kokanee	810	212	1,022	0	0	0	1,022
Totals	107,886	3,473	111,359	5,774	1,558	7,332	118,691
Other Species							
Whitefish	39,207	1,786	40,993	3,570	232	3,802	44,795
Goldeye	3,319	941	4,260	108	0	108	4,368
Grayling	4,255	290	4,545	58	421	479	5,024
Others*	18,151	1,548	19,699	1,555	760	2,315	22,014
Totals	64,932	4,565	69,497	5,291	1,413	6,704	76,201
All Species	3,147,278	266,959	3,414,237	354,813	457,956	812,769	4,227,006

Continued...

Table 29. Continued.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
	kg	kg	kg	kg	kg	kg	kg
Mean Weights							
Major Species	0.8	0.9	0.8	1.0	1.2	1.1	0.9
Stocked Species	1.1	1.0	1.1	0.9	1.1	1.0	1.1
Other Species	0.6	0.5	0.6	0.7	0.5	0.6	0.6
All Species	0.8	0.9	0.8	1.0	1.2	1.1	0.9

* Others are fish which were not identified by respondents.

Table 30. Numbers of fish harvested in each fisheries management zone by active adult anglers in Saskatchewan, 1985.

Angler	Species	Northern	Central	Southern	Total
Resident	Major (a)	88,838	1,324,248	2,392,682	3,805,768
	Stocked (b)	7,843	68,443	28,289	104,575
	Other (c)	8,610	24,985	74,161	107,756
	All	105,291	1,417,676	2,495,132	4,018,099
Non-resident	Major (a)	100,490	425,639	205,802	731,931
	Stocked (b)	0	4,638	2,996	7,634
	Other (c)	1,467	5,371	3,457	10,295
	All	101,957	435,648	212,255	749,860
Total	Major (a)	189,328	1,749,887	2,598,484	4,537,699
	Stocked (b)	7,843	73,081	31,285	112,209
	Other (c)	10,077	30,356	77,618	118,051
	All	207,248	1,853,324	2,707,387	4,767,959

(a) Major species include pike, walleye, perch and lake trout.

(b) Stocked species include rainbow, brook and brown trout, splake and kokanee.

(c) Other species include whitefish, goldeye, grayling and fish not identified by respondents.

(Appendix E, Table 7): 55% of the pike came from the North Central and West Central areas; 69% of the walleye came from the North Central and South areas; and 66% of the perch came from the South area. In contrast, 41% of the lake trout came from the North area.

The lower limits introduced by the Sport Fish Conservation Program in May 1985 appeared to have been effective in reducing harvests. There were 767,000 fewer fish of the major species (i.e., pike, walleye, perch and lake

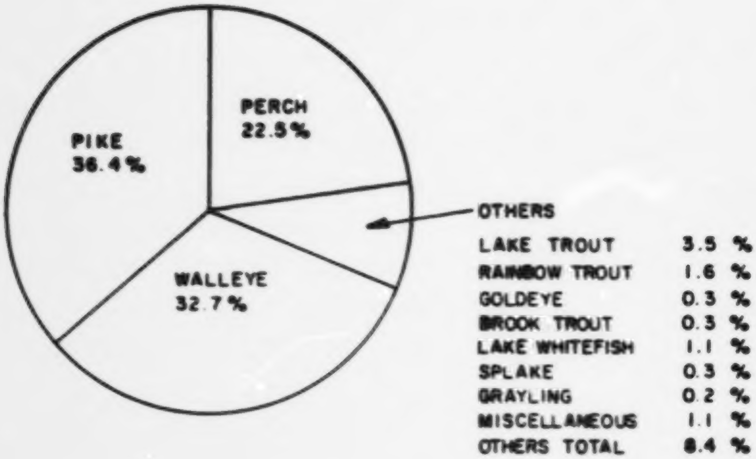


Figure 10. Composition of recreational harvest, Saskatchewan, 1985.

trout) than in 1980 and 577,000 fewer than in 1975 (Table 32). The major decreases were in perch and pike. The 1985 walleye harvest was larger than in 1975 but less than in 1980. More lake trout were harvested in 1985 than in 1980. In general, harvests of the stocked species (i.e., rainbow, brook and brown trout, splake and kokanee) and of the other species (i.e., whitefish, goldeye, grayling and others) were also less except that more whitefish were harvested in 1985 than in 1975. In addition, more grayling were taken in 1985 than in 1980 but the harvests were much less than in 1975.

In 1985, anglers caught an average of 2.45 fish of the major species, 1.54 stocked trout, and 0.06 fish of the other species per angler-day (Table 33). Overall, pike and walleye provided somewhat less than one fish of each species per angler-day and perch provided about one-half fish per angler-day. Similar results were obtained in 1975 and 1980 except that the catch of perch per angler-day has decreased (Table 34). The numbers of stocked trout retained per angler-day were larger than in 1975 and 1980 because it was possible to estimate the fishing effort expended on these fish

Table 31. Proportion of fish retained by active adult anglers in Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
	%	%	%	%	%	%	%
Major Species							
Pike	60	78	61	39	17	23	49
Walleye	73	90	74	69	35	45	65
Perch	67	69	67	72	62	68	67
Lake trout	53	96	56	78	32	43	51
Total	65	81	66	55	26	34	58
Stocked Species							
Rainbow trout	84	83	84	65	62	64	83
Brook trout	78	100	78	82	100	82	79
Brown trout	88	100	88	0	0	0	81
Splake	85	100	85	100	0	100	85
Kokanee	100	100	100	0	0	0	100
Total	84	89	84	71	64	70	83
Other Species							
Whitefish	71	100	72	97	34	87	73
Goldeye	61	76	64	75	0	34	63
Grayling	73	100	74	100	7	8	42
Others*	63	83	64	78	63	73	65
Total	67	85	68	87	18	45	65
All Species	66	81	66	56	26	35	58

* Others are fish which were not identified by respondents.

Table 32. Numbers of fish harvested by active adult anglers in Saskatchewan, 1975, 1980 and 1985.

Species	1975	1980	1985
Major Species			
Pike	2,209,436	1,922,890	1,735,688
Walleye	1,431,243	1,602,914	1,564,701
Perch	1,304,390	1,634,473	1,070,182
Lake trout	169,578	144,719	167,128
Total	5,114,647	5,304,906	4,537,699
Stocked Species			
Rainbow trout	109,104	54,248	77,034
Brook trout	45,316	26,614	15,548
Brown trout	...	...	3,164
Splake	13,133	...	14,421
Kokanee	...	...	2,042
Total	167,553	80,862	112,209
Other Species			
Whitefish	11,101	...	49,228
Goldeye	40,254	42,278	12,851
Grayling	63,725	8,546	9,136
Others*	50,428	...	46,836
Total	165,508	50,824	118,051
All Species	5,447,708	5,436,682	4,767,959

* Others are fish which were not identified by respondents.

Table 33. The average numbers of fish retained per angler-day in Saskatchewan in 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Major Species*							
Pike	0.96	0.85	0.95	0.70	0.97	0.82	0.93
Walleye	0.79	0.75	0.79	0.86	1.29	1.06	0.84
Perch	0.66	0.41	0.64	0.28	0.17	0.23	0.57
Lake trout	0.07	0.10	0.07	0.15	0.22	0.18	0.09
Totals	2.48	2.11	2.45	1.99	2.65	2.29	2.43
Stocked Species							
Rainbow trout	1.14	1.94	1.16	0.35	2.16	0.45	1.06
Brook trout	0.20	0.54	0.21	0.26	0.14	0.25	0.21
Brown trout	0.05	0.06	0.05	0.0	0.0	0.0	0.04
Splake	0.22	0.18	0.22	0.08	0.0	0.08	0.20
Kokanee	0.03	0.36	0.03	0.0	0.0	0.0	0.03
Totals	1.64	3.08	1.67	0.69	2.30	0.78	1.54
Other Species							
Whitefish	0.03	0.01	0.03	0.02	<0.01	0.01	0.03
Goldeye	0.01	0.02	0.01	<0.01	0.0	<0.01	0.01
Grayling	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Others	0.03	0.02	0.03	0.02	0.01	0.02	0.02
Totals	0.08	0.06	0.07	0.04	0.02	0.03	0.06
All Species	2.51	2.17	2.48	1.97	2.66	2.28	2.45

* The catch per angler-day values for the major species in this table are slightly larger than those in Appendix E, Table 24. The difference is due to the divisors used in the computation. In the table above, the divisors were separated on the basis of fishing effort expended on the major, stocked and other species (Table 22). In Appendix E, Tables 15-24, the divisors were not partitioned in this manner and were taken from Table 21.

Table 34. The average numbers of fish retained per angler-day in Saskatchewan in 1975, 1980 and 1985.

Species	Year	Resident	Non-resident	Total
Pike	1975	1.06	1.31	1.10
	1980	0.86	1.33	0.93
	1985	0.95	0.82	0.93
Walleye	1975	0.57	1.53	0.71
	1980	0.65	1.52	0.77
	1985	0.79	1.06	0.84
Perch	1975	0.70	0.30	0.65
	1980	0.83	0.55	0.79
	1985	0.64	0.23	0.57
Lake trout	1975	0.05	0.26	0.08
	1980	0.05	0.17	0.07
	1985	0.07	0.18	0.09
Stocked trout (a)	1975	0.08	0.09	0.08
	1980	0.05	0.06	0.05
	1985	1.67	0.78	1.54
Grayling	1975	0.03	0.04	0.03
	1980	<0.01	0.02	<0.01
	1985	<0.01	<0.01	<0.01
Other species (b)	1975	0.05	0.04	0.05
	1980	0.04	0.02	0.04
	1985	0.07	0.03	0.06
All species	1975	1.79	3.22	1.99
	1980	2.48	3.66	2.65
	1985	2.48	2.28	2.45

(a) Stocked trout include rainbow, brook and brown trout, kokanee and splake.

(b) Other species include whitefish, goldeye and species not identified by respondents.

in 1985 (Table 22). The 1975 and 1980 estimates are too low because they were based on the total fishing effort.

In general, the catch per angler-day in the two northernmost areas was higher than in the southern areas (Appendix E, Tables 15-24). The largest average catches per angler-day were 1.24 pike in the Southwest area, 1.47 walleye in the North Central area, 0.98 lake trout in the North area, and 0.99 perch in the Qu'Appelle area.

On the average, each individual adult angler retained 26.6 fish in Saskatchewan in 1985 (Table 35), 3.9 fish less than in 1980 (Table 36). Individual anglers retained 0.8 more walleye than in 1980 and 1.8 more than in 1975. Individuals retained almost the same number of pike as in 1980 and 1.4 less than in 1975. Numbers of perch retained were 2.4 less than in 1980 and 0.5 less than in 1975.

In general, anglers retained more fish in the southern areas, especially in the Southwest Central and Qu'Appelle areas, and less in the northern areas, especially the Northeast Central and Tobin Lake areas (Appendix E, Tables 15-24). The largest average catches were 10.4 pike in the Southwest Central area, 9.2 walleye in the North Central area, 5.8 lake trout in the North area, and 9.2 perch in the Qu'Appelle area.

In 1985, most anglers kept less than two fish for each day they fished (Table 37). For example, 70.5% of the anglers who fished for lake trout kept less than two per angler-day. Values ranged from 55.9% for rainbow trout to 100% for kokanee. However, a significant proportion exceeded the limits, that is, they kept more fish per angler-day than prescribed. Values ranged from 0% for kokanee to 13.5% for rainbow trout. Almost 76% of anglers kept less than 5 perch per angler-day and 2.3% kept more than the legal limit of 25.

Anglers kept 4.2 million kg of fish in 1985 (Tables 29 and 38). They consumed about 81% of the catch and gave the balance away. In 1980, anglers consumed 86% of their harvest and gave 12% away.

Table 35. The average numbers of fish retained by individual active adult anglers in Saskatchewan in 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Major Species*							
Pike	10.8	9.5	10.7	5.2	7.6	6.2	9.7
Walleye	9.0	8.4	8.9	6.4	10.1	8.0	8.7
Perch	7.5	4.6	7.2	2.1	1.4	1.8	6.0
Lake trout	0.8	1.1	0.8	1.1	1.7	1.4	0.9
Totals	28.1	23.6	27.7	14.8	20.8	17.4	25.3
Stocked Species							
Rainbow trout	4.7	4.1	4.7	1.9	3.8	2.2	4.4
Brook trout	0.8	1.2	0.8	1.4	0.2	1.2	0.9
Brown trout	0.2	0.1	0.2	0.0	0.0	0.0	0.2
Splake	0.9	0.4	0.9	0.4	0.0	0.4	0.8
Kokanee	0.1	0.8	0.1	0.0	0.0	0.0	0.1
Totals	6.7	6.6	6.7	3.7	4.0	3.8	6.4
Other Species							
Whitefish	0.3	0.2	0.3	0.2	<0.1	0.1	0.3
Goldeye	0.1	0.2	0.1	<0.1	0.0	<0.1	0.1
Grayling	0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.1
Others	0.3	0.3	0.3	0.1	0.1	0.1	0.3
Totals	0.8	0.7	0.8	0.3	0.1	0.2	0.8
All Species	29.6	24.7	29.2	15.4	21.0	17.9	26.6

* The values in this table are about 46% greater than those in Appendix E, Table 24. The difference is due to the divisors used in the computations. In the table above, the divisors were the number of individual fishermen (Table 16, row 12). In Appendix E, Tables 15-24, the divisors were the numbers of anglers (Table 16, row 10). It was not possible to utilize the former in the detailed computations because many individuals fished in more than one area.

Table 36. The average numbers of fish retained by individual active adult anglers in Saskatchewan in 1975, 1980 and 1985.

Species	Year	Resident	Non-resident	Total
Pike	1975	13.0	9.0	12.1
	1980	11.5	8.2	10.6
	1985	10.7	6.2	9.7
Walleye	1975	7.0	10.5	7.8
	1980	8.7	9.4	8.8
	1985	8.9	8.0	8.7
Perch	1975	8.7	2.1	7.1
	1980	11.0	3.4	9.0
	1985	7.2	1.8	6.0
Lake trout	1975	0.7	1.8	0.9
	1980	0.7	1.1	0.8
	1985	0.8	1.4	0.9
Stocked trout (a)	1975	1.0	0.6	0.9
	1980	6.7	5.5	6.6
	1985	6.7	3.8	6.4
Grayling	1975	0.4	0.3	0.3
	1980	0.1	0.1	0.1
	1985	0.1	<0.1	0.1
Other species (b)	1975	0.6	0.3	0.6
	1980	0.6	0.1	0.5
	1985	0.8	0.2	0.8
All species	1975	31.3	24.5	29.7
	1980	33.3	22.6	30.4
	1985	29.2	17.9	26.6

(a) Stocked trout include rainbow, brook and brown trout, kokanee and splake.

(b) Other species include whitefish, goldeye and species not identified by respondents.

Table 37. Proportion of anglers who kept various numbers of fish per angler-day, Saskatchewan, 1985.

Species	<1 fish per angler-day	1-2 fish per angler-day	2-3 fish per angler-day	3-4 fish per angler-day	>4 fish per angler-day
	%	%	%	%	%
Lake trout	41.3	29.2	12.2	6.7	10.6

Species	<1 fish per angler-day	1-2 fish per angler-day	2-3 fish per angler-day	3-4 fish per angler-day	4-5 fish per angler-day	>5 fish per angler-day
	%	%	%	%	%	%
Walleye	35.3	30.5	14.7	6.6	4.9	8.0
Rainbow trout	24.1	31.8	17.1	6.5	7.0	13.5
Brook trout	37.1	32.9	14.3	4.3	4.3	7.1
Brown trout	29.1	37.5	12.5	12.5	0.0	8.4
Splake	25.6	37.2	14.0	14.0	4.6	4.6
Kokanee	100.0	0.0	0.0	0.0	0.0	0.0
Grayling	53.8	19.2	3.8	7.8	3.8	11.6

Species	<1 fish per angler-day	1-2 fish per angler-day	2-3 fish per angler-day	3-4 fish per angler-day	4-5 fish per angler-day	5-6 fish per angler-day	>6 fish per angler-day
	%	%	%	%	%	%	%
Pike	36.7	31.9	13.3	7.3	4.7	3.2	2.9
Whitefish	61.0	17.1	9.8	7.3	1.2	1.2	2.4
Goldeye	56.3	25.0	9.4	6.2	0.0	0.0	3.1

Continued...

Table 37. Continued.

Species	<5 fish per angler-day	5-10 fish per angler-day	10-15 fish per angler-day	15-20 fish per angler-day	20-25 fish per angler-day	>25 fish per angler-day
	%	%	%	%	%	%
Perch	75.9	15.2	5.2	0.8	0.6	2.3

Table 38. Disposition of fish caught by anglers in Saskatchewan in 1985.

	Resident		Non-resident		Total
	Licenced	Senior Citizen	Canadian	Other	
Weight kept (kg)	3,147,278	266,959	354,813	457,956	4,227,006
Weight eaten (kg)	2,521,599	225,046	286,192	378,317	3,412,462
% eaten	80.1	84.3	80.7	82.6	80.7
% given away	19.9	15.7	19.3	17.4	19.3

STOCKED SPECIES

The province of Saskatchewan supports an active and successful program aimed at establishing and maintaining stocks of game trout (i.e., species which are not native to Saskatchewan) in about 140 lakes and streams. In 1985, 15,454 resident and 2,039 non-resident anglers fished these waters (Table 22) and harvested 112,209 rainbow, brook and brown trout as well as splake and kokanee (Table 28; Appendix E, Tables 1-14). On average, each angler who fished these waters in 1985 kept 6.4 fish (Table 35). Rainbow trout were favored and comprised 69% of the harvest. Similar observations were obtained in 1980 (Table 36).

About 37% of the harvest of stocked trout came from the Northeast Central area alone (Appendix E, Table 7). More than 37% of the rainbow trout, 36% of the brook trout and all of the kokanee were taken in this area. In contrast, 60% of the brown trout came from the North area and 37% of the splake came from the North Central area.

ANGLER EXPENDITURES AND INVESTMENTS

EXPENDITURES

In 1985, anglers spent $70.7 million on activities and supplies directly associated with their sport fishing (Table 39; Appendix F, Tables 1-4). Residents spent $49.7 million, or $362 per angler, and non-residents spent $20.9 million, or $500 per angler. Food, lodging and transportation accounted for 80% of the expenditures of resident anglers but only 52% of the expenditures of non-resident anglers. Packages, which included the costs of chartered aircraft, lodge facilities and charterboats, accounted for 39% of the expenditures of the latter group.

Expenditures in 1985 were 69% greater than in 1980 and 101% greater than in 1975 (Table 40). The greatest increases were for food, lodging, transportation and packages. Costs of fishing services and supplies in 1985 were similar to those of 1975 and 1980. In general, costs in 1975 and 1980 were similar except for packages which were not included in the 1975 survey.

Resident anglers from the South spent $23.8 million (48%) and those from the Southwest Central spent $12.4 million (25%) of the total expenditures by residents on fishing in Saskatchewan in 1985 (Appendix F, Table 1). In contrast, resident anglers spent $11.9 million (24%) of the resident total on fishing in the North Central area and $9.6 million (19%) in the South (Appendix F, Table 2). Non-resident anglers spent $10.8 million (51%) of the non-resident total on fishing in the North Central area and $4.9 million (23%) in the North (Appendix F, Table 3). In all, anglers spent $22.6 million (32%) of their expenditures fishing in the North Central area, $10.7 million (15%) in the South and $7.6 million (11%) in the North (Appendix F, Table 4).

Table 39. Expenditures directly attributable to sport fishing in Saskatchewan in 1985.

Expenditure	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
	$	$	$	$	$	$	$
Food and lodging	18,061,820	1,188,115	19,249,935	2,927,366	3,454,411	6,381,777	25,631,712
Transportation	19,386,062	1,276,895	20,662,957	2,105,931	2,357,224	4,463,155	25,126,112
Fishing services	2,710,503	121,995	2,832,498	449,880	880,375	1,330,255	4,162,753
Fishing supplies	2,875,037	209,441	3,084,478	227,816	357,469	585,285	3,669,763
Packages*	3,408,219	107,073	3,515,292	1,133,807	6,982,022	8,115,829	11,631,121
Other expenditures	383,999	22,372	406,371	69,039	8,442	77,481	483,852
Totals	46,825,640	2,925,891	49,751,531	6,913,839	14,039,943	20,953,782	70,705,313
Average per individual angler	372.91	243.84	361.64	298.63	749.28	500.21	393.99

* Packages include fly-in, lodge, charterboat, etc., costs.

Table 40. Expenditures directly attributable to sport fishing in Saskatchewan, 1975, 1980 and 1985.

Expenditure	1975	1980	1985
	$	$	$
Food and lodging	14,099,686	14,117,908	25,631,712
Transportation	11,639,483	13,453,907	25,126,112
Fishing services	3,663,238	3,484,718	4,162,753
Fishing supplies	4,069,032	4,116,136	3,669,763
Packages*	...	5,369,652	11,631,121
Other expenditures	1,655,777	1,338,820	483,852
Totals	35,127,216	41,881,141	70,705,313
Average per angler	191.74	230.95	393.99

* Packages include fly-in, lodge, charterboat, etc., costs.

In 1985, anglers spent an average of $36.33 for each day they fished in Saskatchewan (Table 41). Senior citizens spent the least, $21.50 per angler-day, and other non-residents spent the most, $94.95 per angler-day. Daily costs in 1985 were 80% greater than in 1980 and 109% greater than in 1975.

In 1985, anglers were asked to indicate the additional daily cost at which they would have decided not to fish. Twenty-six percent indicated they were not willing to pay any additional costs, 61% would have stopped fishing when their daily costs reached $10, 77% would have stopped fishing when their daily costs reached $20, 87% when they reached $30, 90% when they reached $40, 95% when they reached $50, and all anglers would have stopped fishing when their daily costs reached $100 (Table 42; Figure 11). This means that, on the average, 26% of the anglers would have stopped fishing when their daily costs exeeded the 1985 daily average of $36.33, and all anglers would have stopped when their daily costs became $136.33. Non-resident anglers were somewhat

Table 41. Expenditures per angler-day in Saskatchewan, 1975, 1980 and 1985.

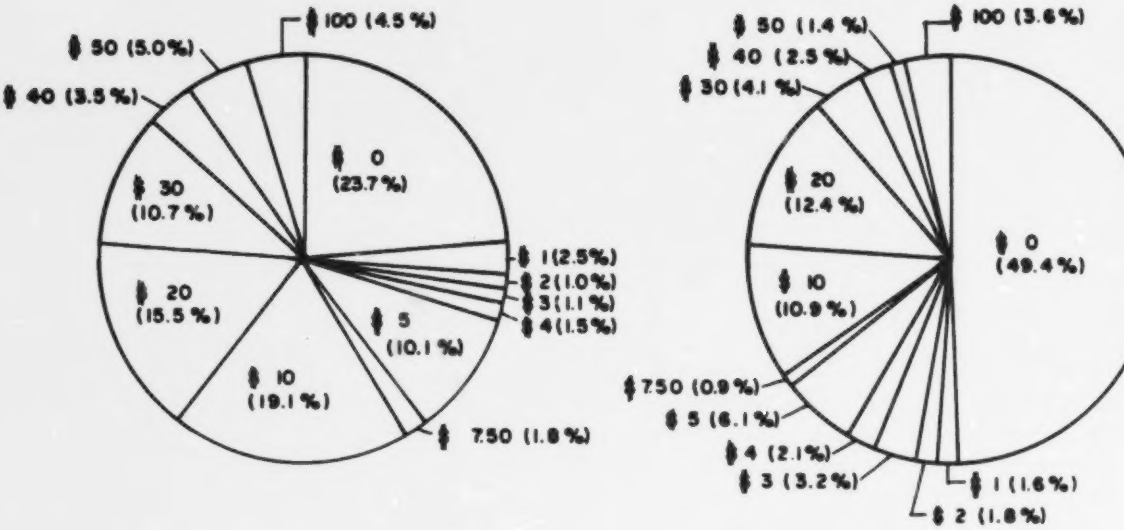
Year		Resident			Non-resident			Total
		Licenced	Senior Citizen	Total	Canadian	Other	Total	
1975	Total expenditures, $	...	...	24,190,165	...	...	10,937,051	35,127,216
	Number of angler-days	...	...	1,723,522	...	...	294,730	2,018,252
	Average daily cost, $/angler-day			14.04			37.11	17.40
1980	Total expenditures, $	...	...	27,539,132	4,543,249	9,798,760	14,342,009	41,881,141
	Number of angler-days	...	...	1,778,376	172,577	120,732	293,309	2,071,685
	Average daily cost, $/angler-day	...	...	15.48	26.32	81.16	48.90	20.22
1985	Total expenditures, $	46,825,640	2,925,891	49,751,531	6,913,839	14,039,943	20,953,782	70,705,313
	Number of angler-days	1,481,569	136,058	1,617,548	180,548	147,868	328,416	1,946,043
	Average daily cost, $/angler-day	31.60	21.50	30.75	38.29	94.95	63.80	36.33

Table 42. Additional daily costs at which anglers in Saskatchewan in 1985 would have decided not to fish.

Additional Daily Cost	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
$/angler-day	%	%	%	%	%	%	%
0.00	23.7	49.4	25.9	26.9	25.7	26.4	26.0
1.00	26.2	51.0	28.3	27.8	25.7	26.9	28.0
2.00	27.2	52.8	29.3	28.3	26.6	27.5	28.9
3.00	28.3	56.0	30.6	29.6	27.5	28.6	30.2
4.00	29.8	58.1	32.1	30.1	28.4	29.2	31.5
5.00	39.9	64.2	41.8	41.4	35.2	38.5	41.1
7.50	41.7	65.1	43.6	43.7	36.6	40.3	42.9
10.00	60.8	76.0	62.0	63.2	49.7	56.9	60.9
20.00	76.3	88.4	77.2	80.0	67.8	74.3	76.6
30.00	87.0	92.5	87.3	87.6	80.5	84.2	86.7
40.00	90.5	95.0	90.7	91.2	85.5	88.4	90.3
50.00	95.5	96.4	95.4	93.8	95.9	94.6	95.3
100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0

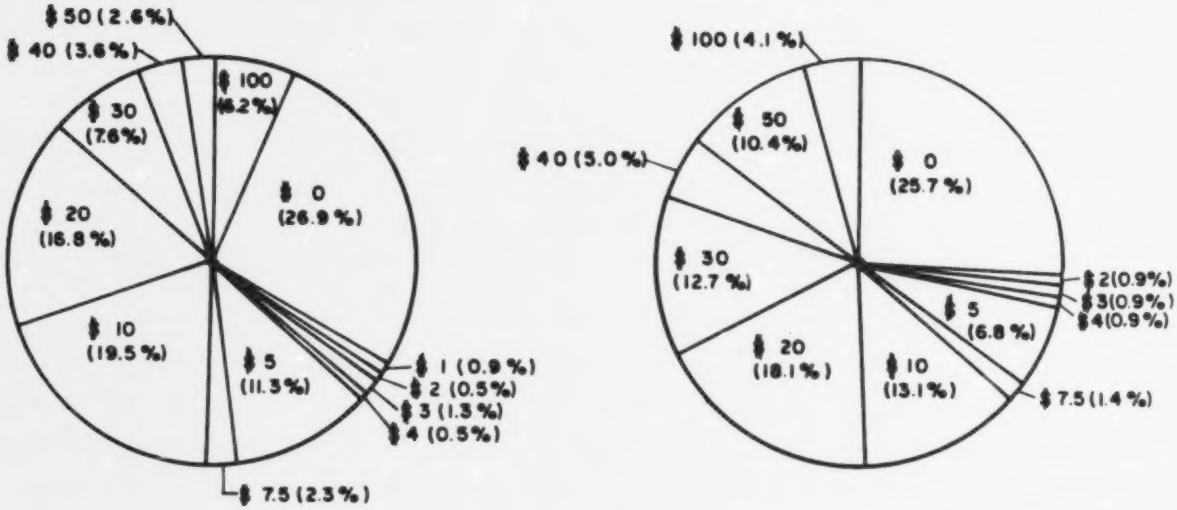
more tolerant of higher costs than resident anglers: 57% of the non-resident anglers, compared to 62% of the resident anglers, indicated they would stop fishing when their additional daily costs reached $10.

In 1985, each fish retained represented an average expenditure of $14.83, or an average of $16.73 per kilogram (Table 43). Non-resident costs per fish were about twice resident costs. In addition, 1985 costs were about twice those of 1980 and about 2.3 times greater than 1975. Resident costs per kilogram were higher than the costs per fish whereas non-resident costs per fish were higher than the costs per kilogram. The reason is associated with the higher average weight of fish caught by non-resident anglers (Table 29). Thus non-resident costs per kilogram were relatively lower and their costs per fish were relatively higher than resident angler costs.



LICENCED RESIDENT ANGLERS

SASKATCHEWAN SENIOR CITIZENS



NON-RESIDENT CANADIAN ANGLERS

OTHER NON-RESIDENT ANGLERS

Figure 11. Additional daily costs at which anglers would have decided not to fish in Saskatchewan in 1985.

Table 43. **Expenditures per fish and per kilogram of fish caught by anglers in Saskatchewan in 1975, 1980 and 1985.**

Year	Angler	Cost/Fish	Cost/Kilogram
		$/fish	$/kg
1975	Resident	5.50	6.55
	Non-resident	10.38	9.09
	Total	6.45	7.22
1980	Resident	6.21	7.48
	Non-resident	13.37	11.12
	Total	7.61	8.42
1985	Resident	12.38	14.57
	Non-resident	27.94	25.78
	Total	14.83	16.73

INVESTMENTS

Anglers in Saskatchewan invested $152.5 million on major durables and property in 1985 (Table 44; Appendix G, Tables 1-8), of which $80.7 million, or 53% was attributable to sport fishing activities. On the average, each resident angler invested $1,077 and each non-resident angler $104. Almost all of the investments were for boats, camping equipment, special vehicles, land and buildings. Most non-resident purchases and investments in Saskatchewan were small, representing 3% of the total. A notable exception was boats purchased by non-resident Canadians. In 1985, these anglers spent $2.3 million for boats in Saskatchewan, which represented 57% of the non-resident category.

Investments in 1985 were 148% greater than in 1980 and 171% greater than in 1975 (Table 45). Investments increased markedly in all categories except 'other investments'. The increases in investments were proportionately greater than the increases in expenditures.

Table 44. Major purchases and investments relating in whole or in part to sport fishing in Saskatchewan in 1985.

Purchase	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
	$	$	$	$	$	$	$
Fishing equipment	6,983,233	387,331	7,370,564	313,095	93,444	406,539	7,777,103
Boats	37,455,446	2,921,835	40,377,281	2,281,525	214,544	2,496,069	42,873,350
Camping equipment	31,233,741	2,260,948	33,494,689	625,915	17,763	643,678	34,138,367
Special vehicles	25,896,424	1,936,992	27,833,416	85,062	7,151	92,213	27,925,629
Land and buildings	34,400,266	3,191,236	37,591,502	338,476	314,321	652,797	38,244,299
Other investments	1,450,852	68,811	1,519,663	39,848	37,051	76,899	1,596,562
Totals	137,419,962	10,767,153	148,187,115	3,683,921	684,274	4,368,195	152,555,310
Average per angler	1,094.35	897.34	1,077.17	159.12	36.52	104.28	850.08
Totals attributable to sport fishing	70,386,975	6,862,998	77,249,973	2,811,548	678,402	3,489,950	80,739,923
Average per angler	560.53	571.96	561.53	121.44	36.20	83.31	449.90

Table 45. Major purchases and investments relating in whole or in part to sport fishing in Saskatchewan in 1975, 1980 and 1985.

Purchase	1975	1980	1985
	$	$	$
Fishing equipment	113,306	757,568	7,777,103
Boats	19,728,153	31,849,669	42,873,350
Camping equipment	16,226,469	5,959,138	34,138,367
Special vehicles	8,075,669	20,211,724	27,925,629
Land and buildings	11,169,609	1,023,275	38,244,299
Other investments	947,100	1,724,471	1,596,562
Totals	56,260,306	61,525,845	152,555,310
Average per angler	307.10	339.28	850.08
Totals attributable to sport fishing	...	27,965,381	80,739,923
Average per angler	...	145.21	449.90

Anglers were asked to indicate the relative amount of time each of their investments was used for sport fishing in 1985. Some items, such as fishing equipment, were used entirely for sport fishing, whereas others, such as boats, were only partly used for this. Overall, anglers indicated that $80.7 million, or 53% of the 152.5 million invested, was used for sport fishing purposes (Table 44). In 1980, anglers indicated that $28 million, or 46% of their investments were used for sport fishing (Table 45). Thus anglers not only increased the amount but also the proportion of their investments for sport fishing in 1985.

In 1985, resident anglers from the South area of Saskatchewan purchased $77.3 million, or 52% of the total resident investments in fishing and camping equipment, boats, vehicles, land and buildings (Appendix G, Table 1). Assets used for fishing were valued at $37.6 million by residents from the South (Appendix G, Table 2). Resident anglers used $30.4 million (20%), $26.4 million (18%) and $23.2 million (16%) of their total investments in the South, Qu'Appelle and North Central areas, respectively (Appendix G, Table 3). Non-resident anglers used $1.2 million (28%) and $1.1 million (26%) of their total investments in the South and North Central areas, respectively (Appendix G, Table 5), but used $1.0 million (31%) of their investments for fishing in the North Central area alone (Appendix G, Table 6). Overall, anglers used $31.7 million (21%), $26.4 million (17%) and $18.3 million (16%) of their investments in the South, Qu'Appelle and North Central areas, respectively (Appendix G, Table 7), but used $17.8 million (21%), $15.4 million (19%) and $10.6 million (13%) of these assets for fishing in the South, North Central and Qu'Appelle areas, respectively (Appendix G, Table 8).

ANGLER COMMENTS

SASKATCHEWAN ANGLERS GUIDE

In addition to answering a series of specific questions aimed at eliciting information about effort, harvest, expenditures and investments, respondents were asked to provide comments about the Anglers Guide and the Sport Fish Conservation Program, as well as other matters of concern to them. A total of 212 respondents provided 222 comments on the Anglers Guide (Table 46). In addition, 60% of the respondents indicated that they were favorably impressed with the Guide (Table 47) and 50% of them indicated that it was "just right" in terms of comprehensiveness (Table 48). In general, respondents indicated that all sections in the Guide were equally important (Table 49). Less than 5% of the respondents provided comments indicating sections that were unimportant.

Most of the comments offered about the Anglers Guide were essentially suggestions that more information be included. For example, the 11 comments on the "Game Fish of Saskatchewan" (Table 46) were requests for

Table 46. **Numbers and categories of comments about the Saskatchewan Anglers Guide made by respondents to the sport fish survey questionnaire, 1985. See text for additional details.**

Category of Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Saskatchewan Anglers Guide	29	7	36	11	7	18	54
Game Fish of Saskatchewan	10	0	10	0	1	1	11
Saskatchewan Fishery Regulations	16	1	17	2	5	7	24
Angling Tips	24	0	24	0	0	0	24
Fisheries Management	6	1	7	1	0	1	8
Saskatchewan Lakes	54	1	55	6	4	10	65
Harvests of Fish	5	0	5	1	0	1	6
Maps	12	0	12	5	1	6	18
Accommodation	7	0	7	2	3	5	12
Totals	163	10	173	28	21	49	222
Number of respondents who returned questionnaires	1,039	249	1,288	152	153	305	1,593
Number of respondents who provided comments	153	10	163	27	22	49	212
Proportion of questionnaires with comments (%)	14.7	4.0	12.7	17.8	14.4	16.1	13.3
Number of comments per questionnaire	1.1	1.0	1.1	1.0	1.0	1.0	1.0

Table 47. Respondents' impressions of 1985 Saskatchewan Anglers Guide.

Impression	Proportion
	%
Good	59.5
Fair	14.1
Poor	1.2
No opinion	25.2

Table 48. Respondents' impressions of the comprehensiveness of the 1985 Saskatchewan Anglers Guide.

Impression	Proportion
	%
Too long	4.9
Not comprehensive enough	5.0
Just right	50.3
No opinion	39.8

better descriptions and photographs of fish, for information on sizes of fish in lakes as well as about sizes considered trophy. The 24 comments on "Saskatchewan Fishery Regulations" were essentially requests for more information on regulations, penalties for infractions and for a list of the numbers of infractions, penalties and fines collected in the previous year. The 24 comments on "Angling Tips" were requests for more information on angling equipment, places and times of year and day to fish, as well as methods of cleaning and preparing fish. The eight comments on "Fisheries Management" were requests for more information on conservation projects as well as descriptions of the work of local clubs in fish enhancement.

Table 49. Sections of the 1985 Saskatchewan Anglers Guide considered important and unimportant to respondents of the 1985 survey of sport fishing in Saskatchewan.

Section	Important	Unimportant
	%	%
What's New in 1985	14.7	0.2
Game Fish of Saskatchewan	14.3	0.1
Sport Fish Conservation Program	12.5	0.2
Services to Anglers	12.1	0.2
Angling Tips	13.7	0.7
Fisheries Management	10.9	0.4
Safeguarding our Resources	12.0	0.2
Saskatchewan Heritage 1985	9.8	2.6
No comment	0.0	95.4

In addition to comments about the content of specific sections in the Anglers Guide, respondents provided comments on topics that should be in the Guide. For example, the 65 comments on "Saskatchewan Lakes" (Table 46) included requests for list of lakes and the fish they contain, waters and species stocked, commercially fished lakes and their quotas, as well as lightly, moderately, heavily and overfished lakes. In addition there were requests for water visibility data for divers in all lakes, descriptions of boating safety and navigational aids in lakes, descriptions of accessibility to lakes, information on the status of fish populations in lakes, and information about lakes in northern Saskatchewan. The six comments on "Harvests of Fish" were requests for information on the commercial and recreational harvests at each lake as well as on the numbers of resident and non-resident fishermen. The 18 comments on "Maps" were essentially requests for more, better, larger and more detailed maps in the Anglers Guide. The 12 comments on "Accommodation" were requests for information on accommodations at camps, lodges, outfitters' resorts, boat rentals as well as information about other facilities at lakes.

SPORT FISH CONSERVATION PROGRAM

A total of 268 respondents provided 296 comments about the Sport Fish Conservation Program introduced in May 1985 (Table 50). Only 39% of the respondents indicated that they were favorably impressed with the program (Table 51) and 61% indicated that the program had no effect on the numbers of fish they kept (Table 52). Acceptance of the various components of the program was mixed: 27% approved on the new season dates but 37% disapproved of the upper size limit (Table 53). The new limits for sauger and grayling were viewed with the least favor whereas the new limits for lake trout were viewed with the least disfavor.

More than one-third of the comments about the Sport Fish Conservation Program were about the angling limits (Table 50). Fifty-five percent of these were requests to increase and/or restore the daily and possession limits for all species and 23% were requests to decrease the limits and make them more stringent (Table 54). In addition, 8% wished to eliminate the new size limits and 12% wished to decrease the size limits to make them more restrictive as well as to have them applied to all species throughout the province. One respondent suggested the size limits should be in length instead of weight.

Respondents offered 31 comments on seasons (Table 50). Thirteen of these were requests to delay the opening dates in spring at least until after spawning. There were six comments for longer closed seasons, five for shorter closed seasons, and two for no closed seasons. Five comments were requests to have seasons closed during spawning periods.

Eight of the ten comments on angling licence fees (Table 50) were requests for increased fees as well as for licences for children, senior citizens and Treaty Indians, all of whom do not require licences. Only two respondents requested lower licence fees.

Fourteen of the 32 comments about fishery regulations (Table 50) were requests to eliminate the requirements for packaging catches so the

Table 50. Numbers and categories of comments about the Sport Fish Conservation Program made by respondents to the sport fish survey questionnaire, Saskatchewan, 1985. See text for additional details.

Category of Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Angling limits	73	11	84	6	15	21	105
Season dates	26	3	29	1	1	2	31
Angling licence fees	8	0	8	1	1	2	10
Saskatchewan fishery regulations	21	1	22	4	6	10	32
Angling methods	5	1	6	0	1	1	7
Net fishing	22	7	29	1	4	5	34
Native fishing	11	1	12	1	1	2	14
Enforcement	17	3	20	1	2	3	23
Fisheries management	1	0	1	0	0	0	1
Fish stocking	24	2	26	2	1	3	29
Miscellaneous	4	3	7	2	1	3	10
Totals	213	32	244	19	33	52	296
Number of respondents who returned questionnaire	1,039	249	1,288	152	153	305	1,593
Number of respondents who provided comments	192	27	219	19	30	49	268
Proportion of questionnaires with comments (%)	18.5	10.8	17.0	12.5	19.6	16.1	16.8
Number of comments per questionnaire	1.1	1.2	1.1	1.0	1.1	1.1	1.1

Table 51. Respondents' impressions of Saskatchewan Sport Fish Conservation Program in 1985.

Impression	Proportion
	%
Good	38.8
Fair	26.1
Poor	7.1
No opinion	28.0

Table 52. Effect of Sport Fish Conservation Program on numbers of fish taken by respondents in Saskatchewan in 1985.

Impact	Proportion
	%
Increase	1.5
Decrease	15.3
No change	61.2
No opinion	22.0

species, number and weight of fish can be readily determined and for leaving a portion of skin and scales on fillets so fish may be identified. Five comments were requests to restrict motor sizes on some lakes. Five comments were requests to designate lakes for sport fishing, fly fishing and trophy fishing only. The remainder were requests to make barbless hooks mandatory, to licence all anglers regardless of age, to have one licence for both National Park and provincial waters, and to prevent houseboats from using provincial waters.

The seven comments about angling methods (Table 50) were requests to eliminate the use of corn and marshmallows as bait, to eliminate spear fishing in certain lakes and to allow bow fishing before the angling season begins.

Table 53. Components of Sport Fish Conservation Program viewed favorably and unfavorably by respondents to the 1985 survey of sport fishing in Saskatchewan.

Program Component	Favorable Impression	Unfavorable Impression
	%	%
Season dates	26.8	9.2
Management zones	11.1	6.2
Perch limits	11.0	11.6
Sauger limits	2.3	...
Pike limits	10.4	8.5
Grayling limits	2.6	...
Walleye limits	13.9	13.0
Lake trout limits	5.6	4.4
Upper size limits	5.9	36.6
Elimination of number/weight limit	10.4	10.5

The 34 comments about net fishing (Table 50) were requests to restrict, control, and/or eliminate net fishing on small lakes, sport fishing lakes and/or all lakes. Similarly the 14 comments about native fishing were requests to restrict, control and/or prevent natives from fishing on some or all lakes.

The 23 comments about enforcement (Table 50) were requests for more enforcement of sport fishermen, commercial fishermen, non-resident fishermen, natives and cottage owners. The 29 comments about fish stocking were requests for more stocking. The ten miscellaneous comments included requests to provide more facilities at lakes, to provide more accommodation in northern Saskatchewan, to screen outlets of streams in spring to prevent fish from migrating upstream to spawn, to eliminate rough fish and to maintain the Sport Fish Conservation Program.

Table 54. Numbers and types of comments about angling limits made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Numbers limit							
- increase	37	7	44	4	10	14	58
- decrease	17	3	20	1	3	4	24
- total	54	10	64	5	13	18	82
Size limit							
- eliminate	5	1	6	1	2	3	9
- decrease	9	0	9	0	0	0	9
- include all species	3	0	3	0	0	0	3
- include all areas	1	0	1	0	0	0	1
- use length instead of weight	1	0	1	0	0	0	1
- total	19	1	20	1	2	3	23
Totals	73	11	84	6	15	21	105

GENERAL COMMENTS

In addition to providing comments specifically about the Anglers Guide and Sport Fish Conservation Program, 899 respondents provided 2,276 comments on 397 different topics which were summarized into 24 categories (Table 55; Appendix H, Tables 1-24). Forty-eight percent of the resident respondents and 92% of the non-resident respondents provided 2.5 comments per questionnaire.

Thirty-seven percent of the comments concerned fishing quality, fishery regulations and fish populations (Table 55). Perceptions about

Table 55. Numbers and categories of comments made by respondents to the 1985 survey of sport fishing in Saskatchewan. See text for details.

Category of Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Access	44	7	51	11	11	22	73
Accommodations	28	5	33	21	24	45	78
Anglers Guide	5	0	5	1	0	1	6
Angling licences	38	2	40	13	7	20	60
Commercial fishing	35	3	38	6	3	9	47
Costs	70	10	80	17	27	44	124
Education	44	3	47	12	0	12	59
Enforcement	95	10	105	13	18	31	136
Enhancement	3	0	3	1	0	1	4
Environment	48	5	53	33	38	71	124
Fish populations	199	29	228	24	20	44	272
Fish stocking	146	14	160	13	4	17	177
Fishermen	22	3	25	2	1	3	28
Fishing methods	2	1	3	1	0	1	4
Fishing quality	142	19	161	53	78	131	292
Hospitality	19	2	21	25	48	73	94
Indians	22	0	22	2	3	5	27
Outfitters	1	1	2	1	0	1	3
Public servants	1	0	1	0	1	1	2
Reasons for fishing	103	35	138	21	15	36	174
Saskatchewan fishery regulations	189	25	214	23	51	74	288
Services	50	7	57	16	10	26	83
Sport fishing questionnaire	43	6	49	10	8	18	67
Miscellaneous	28	4	32	13	9	22	54
Totals	1,377	191	1,568	332	376	708	2,276
Number of respondents who returned questionnaires	1,039	249	1,288	152	153	305	1,593
Number of respondents who provided comments	527	91	618	135	146	281	899
Proportion of questionnaires with comments (%)	50.7	36.6	48.0	88.8	95.4	92.1	56.4
Number of comments per questionnaire	2.6	2.1	2.5	2.4	2.6	2.5	2.5

quality were mixed, with about half the comments indicating fishing was worse than fair and about half indicating it was good or better (Appendix H, Table 15). Comments about regulations included perceptions about the new numbers limits (too few), size limits (a minimum size limit required), opening dates (too early), closing dates (too early), as well as 141 other suggestions (Appendix H, Table 21). Comments about fish populations included perceptions on the status of current populations (too few game fish) and causes of reduced populations (overfishing), as well as problems and suggestions.

Thirty-two percent of the comments concerned fish stocking, reasons for fishing, enforcement, costs of fishing and environment (Table 55). Most of the comments about fish stocking were requests for more stocking either by species (mainly stocked trout) or by area (in the Southern Management Zone), as well as suggestions about new species (Appendix H, Table 12). The reasons for fishing were primarily relaxation, scenery and isolation; the reasons for not fishing were mainly associated with poor health (Appendix H, Table 20). Comments about enforcement included perceptions of quality (very good), problems (too few officers) and suggestions (Appendix H, Table 8). Comments about costs were primarily observations that they were too high (Appendix H, Table 6). Comments about the environment were perceptions about quality (very good), problems (too much litter) and suggestions (Appendix H, Table 10).

Fourteen percent of the comments concerned hospitality, services, accommodation and access (Table 55). Hospitality was perceived as generally good and very good (Appendix H, Table 16). Services for anglers were generally perceived as very good and respondents would like more available (Appendix H, Table 22). Accommodations were also perceived as good or better but some problems were encountered and suggestions were offered (Appendix H, Table 2). Comments about access to lakes and streams were contradictory with about equal numbers indicating it was both very poor and very good (Appendix H, Table 1). Also about equal numbers of respondents wanted access restricted and improved.

CONCLUSIONS

The results of the 1985 survey of sport fishing in Saskatchewan reconfirm its importance as an economic component of the natural resource sector in the province. Three measures are reported herein. First, it is estimated that anglers spent $70.7 million on activities directly associated with angling. These were monies spent on food, accommodation, transportation, fishing services, fishing supplies, licences, etc. Second, anglers invested $152.5 million on major durables and property of which $80.7 million was used for sport fishing. In all, anglers spent and invested more than $223 million, of which $151.4 million was wholly attributable to angling within Saskatchewan.

Economists generally agree that the first round of expenditures in most segments of the business world do not adequately reflect the full impact of spending such as described above. As money circulates through the economy, the effect increases by a factor of 1.5 or greater. On this basis, the direct economic impact of sport fishing within the Saskatchewan economy was about $227 million in 1985.

The third measure concerns the fishing effort and harvest. Although the numbers of licenced anglers decreased 9% from 1980 to 202,377, the number who fished increased by 9% over 1980 to 248,899. The number of days fished also decreased by 9% from 1980 to 1.9 million and the harvest decreased by 12% to 4.7 million fish, primarily because of decreased harvests of perch and pike. Despite this decrease, the recreational fishery remains the major harvester of game fish in Saskatchewan.

APPENDIX A

QUESTIONNAIRES USED IN 1985

LIST OF QUESTIONNAIRES

QUESTIONNAIRE	TITLE	PAGE
1.	1985 summary of sportfishing in Canada: residents of Saskatchewan	73
2.	1985 summary of sportfishing in Canada: nonresidents of Saskatchewan	81

1985 SURVEY OF SPORTFISHING IN CANADA

RESIDENTS OF SASKATCHEWAN

Dear Angler:

The 1985 Survey of Sportfishing in Canada is the third in a series of surveys conducted every five years as a cooperative effort by all federal, provincial and territorial fisheries management agencies. The results of this survey will provide fisheries managers in Saskatchewan with valuable information about fishing activity, catch rates, expenditure patterns and other important management planning data. The survey also provides you with the opportunity to state your personal preferences and opinions as well as to provide comments on fisheries issues which are important to you.

Of the thousands of people who fished in Saskatchewan in 1985, only a small number have been chosen to receive this questionnaire. Your response is critical to the accuracy of the information which will be used by your fisheries managers for developing policies and programs to safeguard fisheries resources for the future.

Please take a few minutes of your time to complete the questionnaire so that everyone will benefit from good management planning. Even if you did not fish or fished only a little, your answers are still very important.

THANK YOU IN ADVANCE FOR YOUR COOPERATION AND ASSISTANCE.

IF YOU HAVE ANY QUESTIONS RELATING TO THIS QUESTIONNAIRE, PLEASE CALL THE SURVEYS UNIT, DEPARTMENT OF FISHERIES AND OCEANS, OTTAWA, BETWEEN 9:00 A.M. AND 5:00 P.M. LOCAL TIME AT:

1 - 800 - 267-9561 (TOLL FREE)

NOTE: QUESTIONS REGARDING FISHERIES MANAGEMENT SHOULD BE DIRECTED TO THE NEAREST FISHERIES OFFICE.

CONFIDENTIAL WHEN COMPLETED

1. Did you personally fish for sport in Saskatchewan in 1985?

   Yes ₁○→ go to Question 2.
   No ₂○→ go to Question 9.

2. How many fishing trips did you make in 1985?
   Fishing trips include one day outings near home as well as longer trips.

   ________ trips

3. a) Please indicate the number of days you spent fishing in Saskatchewan in each month of 1985. A "day" is all or any part of a day fished.

January ________ March ________ May ________ July ________ September ________ November ________

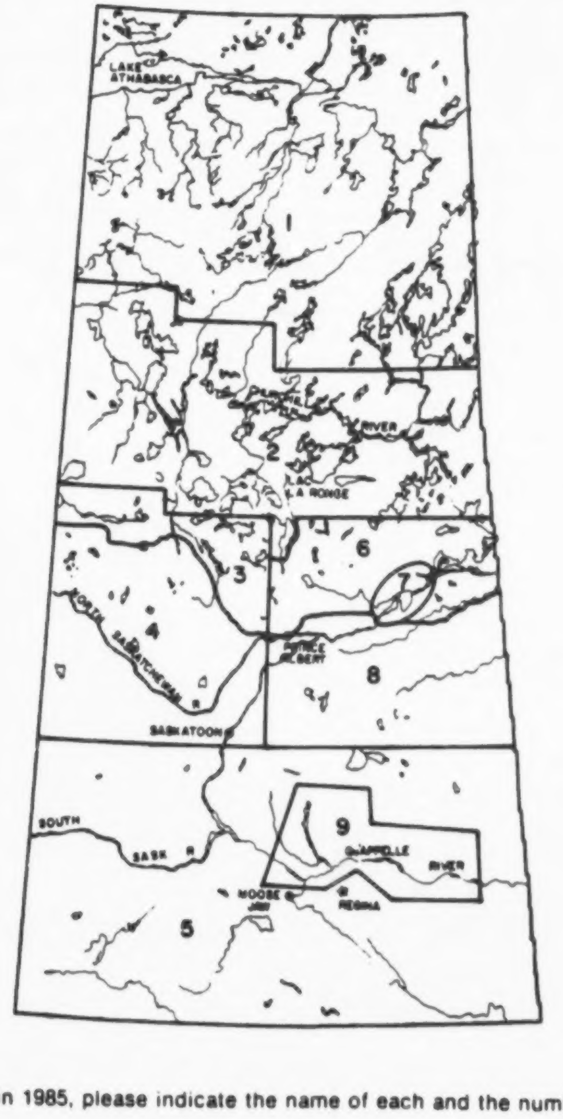
February ________ April ________ June ________ August ________ October ________ December ________

b) Of the above days, how many were spent fishing through the ice for sport in Saskatchewan in 1985?

None ○ or _____ days

4. We would like to assess the fishing pressure in our fisheries regions. For those regions in which you fished, please indicate the number of days you fished in 1985.

	Number of Days Fished
Region 1	______
Region 2	______
Region 3	______
Region 4	______
Region 5	______
Region 6	______
Region 7	______
Region 8	______
Region 9	______


LAKE ATHABASCA
1
RIVER
2
LAC LA RONGE
6
3
7
NORTH SASKATCHEWAN R
4
PRINCE ALBERT
8
SASKATOON
SOUTH SASK R
9
QU'APPELLE RIVER
MOOSE JAW
REGINA
5

5. For lakes or rivers on which you fished in Saskatchewan in 1985, please indicate the name of each and the number of days you fished.

Name of Lake/River	Number of Days Fished	Name of Lake/River	Number of Days Fished

6. For each region in which you caught fish in Saskatchewan in 1985, would you please tell us the total number of fish you caught and the total number of fish you kept. Please report your personal catch only.

(IF YOU CAUGHT NO FISH IN 1985, PLEASE CHECK 2○ AND GO TO QUESTION 7).

	REGION 1		**REGION 2**		**REGION 3**		**REGION 4**		**REGION 5**		**REGION 6**		**REGION 7**		**REGION 8**		**REGION 9**	
	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT
1. Pike																		
2. Walleye (pickerel)																		
3. Perch																		
4. Lake trout																		
5. Lake whitefish																		
6. Goldeye																		
7. Grayling																		
8. Rainbow trout																		
9. Brook trout																		
10. Brown trout																		
11. Splake																		
12. Kokanee																		
13. Other fish																		

a) What was the total estimated weight of the fish you caught and kept in Saskatchewan in 1985?

_________ pounds or _________ kilograms

b) Of the fish you kept, approximately what percentage was:

eaten by yourself or within your household? _________ %

given to others? _________ %

7. LIMITS TAKEN IN 1985

How many times did you take your daily limit of each species in Saskatchewan in 1985?

Species	Number of Days Limits Taken
Pike	____
Walleye (pickerel)	____
Perch	____
Lake trout	____
Lake whitefish	____
Goldeye	____
Grayling	____
Rainbow trout	____
Brook trout	____
Brown trout	____
Splake	____
Kokanee	____

8. STOCKED TROUT WATERS

a) Did you fish in stocked trout waters in Saskatchewan in 1985? (stocked species: rainbow trout, brook trout, brown trout, splake and kokanee).

Yes 1○ → continue No 2○ → go to Question 9

b) If yes, how many days did you fish these waters? ____ days.

c) Please indicate which of the five stocked species you fished for in 1985.

Rainbow trout 1○ Brook trout 2○ Brown trout 3○

Splake 4○ Kokanee 5○

d) Please indicate your preference rating for the five stocked species (1: most preferred, 2: next preferred, etc.)

Rainbow trout ____ Brook trout ____ Brown trout ____

Splake ____ Kokanee ____

e) How would you rate the stocked trout fishing in Saskatchewan?

Excellent 1○ Good 2○ Fair 3○ Poor 4○

9. SPORT FISH CONSERVATION PROGRAM

The Sport Fish Conservation Program (SFCP) introduced new limits, season dates and management zones, beginning with the 1985 sport fishing season.

a) What is your overall impression of SFCP?

Good 1○ Fair 2○ Poor 3○ No Opinion 4○

b) What aspect(s) of the program do you view most favourably (please check)?

Season Dates 1○ Management Zone 1○

Limits:

Perch 1○ Sauger 1○ Pike 1○

Grayling 1○ Walleye 1○ Lake Trout 1○

Upper Size Limit 1○

Elimination of Number/Weight Limit 1○

c) Which of the above do you object to or feel were unnecessary, and why?

____

____

d) What additional changes, if any, do you feel should have been made?

____

____

e) How have the number of fish you usually take been affected by the SFCP?

Increased 1○ Decreased 2○ No change 3○

10. 1985 ANGLERS GUIDE

The 1985 Saskatchewan Anglers Guide is now a 20-page, full colour, glossy publication.

a) What is your general impression of the new Guide?

Good 1○ Fair 2○ Poor 3○ No Opinion 4○

b) Is the Guide too long or not comprehensive enough?

Too long 1○ Not comprehensive enough 2○
Just right 3○ No opinion 4○

c) Of the eight major sections in the Guide, have you read or referred to:

	Yes	No
A. What's New in 1985	1○	2○
B. Game Fish of Saskatchewan	1○	2○
C. Sport Fish Conservation Program	1○	2○
D. Services to Anglers	1○	2○
E. Angling Tips	1○	2○
F. Fisheries Management	1○	2○
G. Safeguarding our Resources	1○	2○
H. Saskatchewan Heritage 1985	1○	2○

d) What sections, if any, do you think are unimportant and should be taken out of the 1986 Guide? List above sections by letter.

____

____

e) What other information would you like to see in the 1986 Guide?

____

____

11. a) Of the species available in Saskatchewan, which three do you prefer to fish for?

First ____________ Second ____________ Third ____________

b) Is there any particular species currently not available in Saskatchewan which you might like to see introduced into the province provided it could survive and would not endanger natural fish stocks?

Yes 1 ○ (please specify) ____________ No 2 ○

12. a) Did you fish for sport outside of Saskatchewan in 1985?

Yes 1 ○ → go to Question 12b) No 2 ○ → go to Question 13

b) How many days did you spend fishing in areas outside of Saskatchewan in 1985?

Newfoundland ____
Prince Edward Island ____
Nova Scotia ____
New Brunswick ____
Quebec ____
Ontario ____
Manitoba ____
Alberta ____
British Columbia ____
Yukon Territory ____
Northwest Territories ____
United States ____
Other Countries ____

c) What was your main reason for fishing outside Saskatchewan in 1985?

Fished for species not available in Saskatchewan 1 ○
Fished while on vacation, at the cottage, business trip, etc. 2 ○
Other reasons 3 ○

13. Please indicate (√) if you fished in Saskatchewan in any of the years below:

1984 1 ○ 1983 1 ○ 1982 1 ○ 1981 1 ○ 1980 1 ○

14. How important is each of the following factors to your enjoyment of a day of sportfishing?

Factor	Very Important	Important	Not Important
Privacy from other fishing parties	1 ○	2 ○	3 ○
Number of fish caught	1 ○	2 ○	3 ○
Natural beauty of surroundings	1 ○	2 ○	3 ○
Weather conditions	1 ○	2 ○	3 ○
Size of fish caught	1 ○	2 ○	3 ○
Escape from work or household routine	1 ○	2 ○	3 ○
Your catch as a source of food	1 ○	2 ○	3 ○
Quality of water	1 ○	2 ○	3 ○
Angling for wild (not hatchery) fish	1 ○	2 ○	3 ○
Access to wilderness areas	1 ○	2 ○	3 ○
Catching the species desired	1 ○	2 ○	3 ○

15. In 1985, did you participate in any of the following wildlife related activities?

Hunting - big game	Yes 1 ○	No 2 ○
- small game	Yes 1 ○	No 2 ○
- game birds/waterfowl	Yes 1 ○	No 2 ○
Nature photography	Yes 1 ○	No 2 ○
Bird watching	Yes 1 ○	No 2 ○
Feeding wildlife	Yes 1 ○	No 2 ○

16. In 1985, were you a member of any of the following organizations?

Saskatchewan Wildlife Federation	Yes 1 ○	No 2 ○
Canadian Wildlife Federation	Yes 1 ○	No 2 ○
A local fish and game club, or association	Yes 1 ○	No 2 ○

EXPENDITURES ON SPORTFISHING BY YOU AND MEMBERS OF YOUR HOUSEHOLD

17. a) Did you or any member of your household make any major purchase or investment in Saskatchewan in 1985 relating in whole or in part to sportfishing? (eg. boats, motors, 4 × 4's, cabins, camping gear, trailers, etc.)

Yes ₁○→ go to Question 17b)   No ₂○→ go to Question 18

b) For each expenditure category, please indicate the amount of money spent in Saskatchewan in 1985 by you or members of your household and estimate the percentage of the amount you feel can be attributed to sportfishing.

Expenditure Category	Total Amount of Purchases	Percentage Attributable to Sportfishing
Fishing equipment (rods, reels, fish finder, etc.)	$ ________.00	______ %
Boating equipment (boat, motor, trailer, etc.)	$ ________.00	______ %
Camping equipment (tents, camper trailers, etc.)	$ ________.00	______ %
Special vehicles (4 × 4's, snowmobiles, camper truck, ATV's, etc.)	$ ________.00	______ %
Land-buildings (cabins, cottages, land, etc.)	$ ________.00	______ %
Other (special clothing, waders, etc.)	$ ________.00	______ %

18. Please estimate as best you can the present market value of the sportfishing gear and equipment owned and used by you and members of your household *solely* for sportfishing.

Fishing equipment (rods, reels, fish finder, etc.)	$ ________.00
Boating equipment (boat, motor, trailer, etc.)	$ ________.00
Camping equipment (tents, camper trailers, etc.)	$ ________.00
Other	$ ________.00

19. a) Did you or members of your household purchase any "package" or so-called all-inclusive sport fishing trips, tours or outings in 1985 to fish in Saskatchewan (for example, going to fly-in fishing camps or lodges, going on guide or charter boats, etc. where the price includes a wide range of services such as lodging, food, transportation, tackle, etc.)?

Yes ₁○→ go to Question 19b)   No ₂○→ go to Question 20

b) For each type of package, please provide the requested information.

Package	Management Region Number (from map)	Total Number of Anglers from Your Household	Total Cost to You and Your Household
Fly-in	____	____	$ ______.00
Lodge	____	____	$ ______.00
Charterboat	____	____	$ ______.00
Other	____	____	$ ______.00

20. Excluding expenditures provided in Questions 17 and 19, please estimate as best you can, the amount of money you or other members of your household spent on the following to go sportfishing in Saskatchewan in 1985:

(√)

Accommodation (hotels, motels, etc.) .... None ○ $________.00

Campsite fees (private, provincial, parks, etc.) .... None ○ $________.00

Food - groceries .... None ○ $________.00

- restaurant meals .... None ○ $________.00

- alcoholic beverages .... None ○ $________.00

Travel costs within Saskatchewan (gas, oil, fares, repairs, etc. for sportfishing trips) .... None ○ $________.00

Boat rentals .... None ○ $________.00

Household owned boat costs (gas, oil, moorage, etc.) .... None ○ $________.00

Fishing supplies (bait, tackle, line, etc.) .... None ○ $________.00

Guides .... None ○ $________.00

Fishing licence fees .... None ○ $________.00

Other (park fees, tolls, etc.) .... None ○ $________.00

If you did not personally fish in 1985, please go to Question 22.

21. If your fishing costs had been higher in Saskatchewan in 1985 due to increased costs for gasoline, accommodation, supplies and other services, at what additional daily cost would you have decided not to fish?

$1.00 per day 1 ○
$2.00 per day 2 ○
$3.00 per day 3 ○
$4.00 per day 4 ○
$5.00 per day 5 ○
$7.50 per day 6 ○
$10.00 per day 7 ○
$20.00 per day 8 ○
$30.00 per day 9 ○
$40.00 per day 10 ○
$50.00 per day 11 ○
$100.00 per day 12 ○

RESPONDENT AND HOUSEHOLD SPORTFISHING PROFILE

In order for us to analyze the information collected in this survey in a meaningful way, we require some information on you and your household. This information will allow us to most accurately estimate the number of active anglers in the province, their use of the resource and the economic benefits generated within the province of Saskatchewan.

YOUR ANSWERS ARE STRICTLY CONFIDENTIAL

22. a) How old are you? _____ years of age.

b) Are you: Male 1 ○ Female 2 ○

23. Excluding yourself, how many members of your household 16 years of age and over held the following Saskatchewan sportfishing licences in 1985?

Licence type	Number
Season	______
One day	______

24. How many members of your household under 16 years of age fished for sport in Saskatchewan in 1985?

______

YOUR COMMENTS AND OPINIONS

You are invited to comment below about your fishing experiences and fishing opportunities in Saskatchewan (for example, quality, costs, environment, access, hospitality, enforcement, services, accommodation, regulations, problems, etc.)

THANK YOU FOR YOUR COOPERATION AND ASSISTANCE

Saskatchewan
Parks and
Renewable
Resources

Fisheries and Oceans
Pêches et Océans

1985 SURVEY OF SPORTFISHING IN CANADA

NONRESIDENTS OF SASKATCHEWAN

Dear Angler:

The 1985 Survey of Sportfishing in Canada is the third in a series of surveys conducted every five years as a cooperative effort by all federal, provincial and territorial fisheries management agencies. The results of this survey will provide fisheries managers in Saskatchewan with valuable information about fishing activity, catch rates, expenditure patterns and other important management planning data. The survey also provides you with the opportunity to state your personal preferences and opinions as well as to provide comments on fisheries issues which are important to you.

Of the thousands of people who fished in Saskatchewan in 1985, only a small number have been chosen to receive this questionnaire. Your response is critical to the accuracy of the information which will be used by your fisheries managers for developing policies and programs to safeguard fisheries resources for the future.

Please take a few minutes of your time to complete the questionnaire so that everyone will benefit from good management planning. Even if you did not fish or fished only a little, your answers are still very important.

THANK YOU IN ADVANCE FOR YOUR COOPERATION AND ASSISTANCE

CONFIDENTIAL WHEN COMPLETED

1. Did you personally fish for sport in Saskatchewan in 1985?

Yes 1 ○→ go to Question 2.
No 2 ○→ go to Question 8.

Canada

YOUR PERSONAL SPORTFISHING ACTIVITIES

2. a) Please indicate the number of days you spent fishing in Saskatchewan in each month of 1985. A "day" is all or any part of a day fished.

January ________ March ________ May ________ July ________ September ________ November ________

February ________ April ________ June ________ August ________ October ________ December ________

b) Of the above days, how many were spent fishing through the ice for sport in Saskatchewan in 1985?

None ○ or _____ days

3. We would like to assess the fishing pressure in our fisheries regions. For those regions in which you fished, please indicate the number of days you fished in 1985.

Number of Days Fished

Region 1 ______

Region 2 ______

Region 3 ______

Region 4 ______

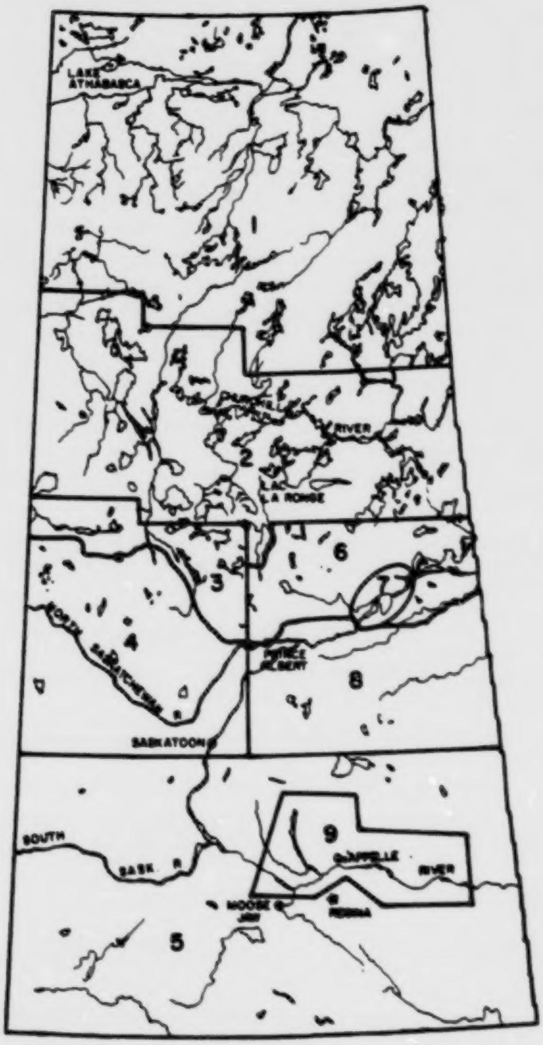
Region 5 ______

Region 6 ______

Region 7 ______

Region 8 ______

Region 9 ______


LAKE ATHABASCA
RIVER
LAC LA RONGE
NORTH SASKATCHEWAN R
PRINCE ALBERT
SASKATOON
SOUTH SASK. R
QU'APPELLE RIVER
MOOSE JAW
REGINA
1
2
3
4
5
6
8
9

4. For lakes or rivers on which you fished in Saskatchewan in 1985, please indicate the name of each and the number of days you fished.

Name of Lake/River	Number of Days Fished	Name of Lake/River	Number of Days Fished

5. For each region in which you caught fish in Saskatchewan in 1985, would you please tell us the total number of fish you caught and the total number of fish you kept. Please report your personal catch only.

(IF YOU CAUGHT NO FISH IN 1985, PLEASE CHECK $_2$○ AND GO TO QUESTION 7).

	REGION 1		REGION 2		REGION 3		REGION 4		REGION 5		REGION 6		REGION 7		REGION 8		REGION 9	
	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT	CAUGHT	KEPT
1. Pike																		
2. Walleye (pickerel)																		
3. Perch																		
4. Lake trout																		
5. Lake whitefish																		
6. Goldeye																		
7. Grayling																		
8. Rainbow trout																		
9. Brook trout																		
10. Brown trout																		
11. Splake																		
12. Kokanee																		
13. Other fish																		

a) What was the total estimated weight of the fish you caught and kept in Saskatchewan in 1985?

_________ pounds or _________ kilograms

b) Of the fish you kept, approximately what percentage was:

eaten by yourself or within your household? _________ %

given to others? _________ %

6. LIMITS TAKEN IN 1985

How many times did you take your daily limit of each species in Saskatchewan in 1985?

Species	Number of Days Limits Taken
Pike	___
Walleye (pickerel)	___
Perch	___
Lake trout	___
Lake whitefish	___
Goldeye	___
Grayling	___
Rainbow trout	___
Brook trout	___
Brown trout	___
Splake	___
Kokanee	___

7. STOCKED TROUT WATERS

a) Did you fish in stocked trout waters in Saskatchewan in 1985? (stocked species: rainbow trout, brook trout, brown trout, splake and kokanee).

Yes 1 ○→ continue No 2 ○→ go to Question 9

b) If yes, how many days did you fish these waters? ___ days.

c) Please indicate which of the five stocked species you fished for in 1985.

Rainbow trout 1 ○ Brook trout 2 ○ Brown trout 3 ○

Splake 4 ○ Kokanee 5 ○

d) Please indicate your preference rating for the five stocked species (1: most preferred, 2: next preferred, etc.)

Rainbow trout ___ Brook trout ___ Brown trout ___

Splake ___ Kokanee ___

e) How would you rate the stocked trout fishing in Saskatchewan?

Excellent 1 ○ Good 2 ○ Fair 3 ○ Poor 4 ○

8. SPORT FISH CONSERVATION PROGRAM

The Sport Fish Conservation Program (SFCP) introduced new limits, season dates and management zones, beginning with the 1985 sport fishing season.

a) What is your overall impression of SFCP?

Good 1 ○ Fair 2 ○ Poor 3 ○ No Opinion 4 ○

b) What aspect(s) of the program do you view most favourably (please check)?

Season Dates 1 ○ Management Zone 1 ○

Limits:

Perch 1 ○ Sauger 1 ○ Pike 1 ○

Grayling 1 ○ Walleye 1 ○ Lake Trout 1 ○

Upper Size Limit 1 ○

Elimination of Number/Weight Limit 1 ○

c) Which of the above do you object to or feel were unnecessary, and why?

____

____

d) What additional changes, if any, do you feel should have been made?

____

____

e) How have the number of fish you usually take been affected by the SFCP?

Increased 1 ○ Decreased 2 ○ No change 3 ○

9. 1985 ANGLERS GUIDE

The 1985 Saskatchewan Anglers Guide is now a 20-page, full colour, glossy publication.

a) What is your general impression of the new Guide?

Good 1 ○ Fair 2 ○ Poor 3 ○ No Opinion 4 ○

b) Is the Guide too long or not comprehensive enough?

Too long 1 ○ Not comprehensive enough 2 ○
Just right 3 ○ No opinion 4 ○

c) Of the eight major sections in the Guide, have you read or referred to:

	Yes	No
A. What's New in 1985	1 ○	2 ○
B. Game Fish of Saskatchewan	1 ○	2 ○
C. Sport Fish Conservation Program	1 ○	2 ○
D. Services to Anglers	1 ○	2 ○
E. Angling Tips	1 ○	2 ○
F. Fisheries Management	1 ○	2 ○
G. Safeguarding our Resources	1 ○	2 ○
H. Saskatchewan Heritage 1985	1 ○	2 ○

d) What sections, if any, do you think are unimportant and should be taken out of the 1986 Guide? List above sections by letter.

____

____

e) What other information would you like to see in the 1986 Guide?

____

____

10. a) Of the species available in Saskatchewan, which three do you prefer to fish for?

First ______________ ☐ **Second** ______________ ☐ **Third** ______________ ☐

b) Is there any particular species currently not available in Saskatchewan which you might like to see introduced into the province provided it could survive and would not endanger natural fish stocks?

Yes 1○ **(please specify)** ______________ ☐ **No** 2○

11. How important is each of the following factors to your enjoyment of a day of sportfishing?

Factor	Very Important	Important	Not Important
Privacy from other fishing parties	1○	2○	3○
Number of fish caught	1○	2○	3○
Natural beauty of surroundings	1○	2○	3○
Weather conditions	1○	2○	3○
Size of fish caught	1○	2○	3○
Escape from work or household routine	1○	2○	3○
Your catch as a source of food	1○	2○	3○
Quality of water	1○	2○	3○
Angling for wild (not hatchery) fish	1○	2○	3○
Access to wilderness areas	1○	2○	3○
Catching the species desired	1○	2○	3○

OTHER FISHING INFORMATION

12. Please indicate (√) if you fished in Saskatchewan in any of the years below:

1984 1○ 1983 1○ 1982 1○ 1981 1○ 1980 1○

13. How would you rate fishing in Saskatchewan in 1985?

Excellent 1○ Very Good 2○ Good 3○

Fair 4○ Poor 5○

14. Do you intend to fish in Saskatchewan in the future?

Yes 1○ No 2○

15. If there had been no fishing opportunities in Saskatchewan in 1985, would you have:

Stayed a shorter time 1○
Substituted other activities 2○
Not come at all 3○

16. a) Did you fish for sport outside of Saskatchewan in 1985?

Yes → ○ go to Question 16b)
No → ○ go to Question 17

b) How many days did you spend fishing in areas outside of Saskatchewan in 1985?

	Number of Days
Other Canadian provinces/territories	____
United States	____
Other Countries	____

TRIP INFORMATION

17. a) How many trips did you make to Saskatchewan in 1985? (a trip should be counted each time you crossed the border into the province)

____ trips

b) How many days in total did you spend in Saskatchewan in 1985 for all reasons?

____ days

18. a) On how many of your trips to Saskatchewan in 1985 did you fish?

____ trips

b) For how many of these trips was fishing:

	No. of Trips
Your main reason for visiting Saskatchewan	____
A secondary reason	____
Decided upon after arrival	____

19. What type of accommodation did you use on your fishing trips to Saskatchewan in 1985?

Type of Accommodation	Number of Nights in Saskatchewan
Day trips only ____ days	xxxxxxxx
Friends and relatives	____
Tent or trailer	____
Cottages owned by household	____
Provincial parks	____
Crown land camping	____
Commercial camping/trailer parks	____
Fishing lodge/camps	____
Other commercial lodging (hotel, motel, rental cottage)	____
Other (please specify) ______________	____

EXPENDITURES ON SPORTFISHING BY YOU AND MEMBERS OF YOUR HOUSEHOLD

The following questions pertain to your household group.
DEFINITION OF HOUSEHOLD: All of those persons living in the same dwelling. Do not include any expenditures made by anglers in your travelling party who had a different residence from you.

CURRENCY:

Which of the following types of currency will you be using to answer the following questions?

U.S. Dollars 1○ Canadian Dollars 2○

20. a) Did you or any member of your household make any major purchase or investment in Saskatchewan in 1985 relating in whole or in part to sportfishing? (eg. boats, motors, 4 x 4's, cabins, camping gear, trailers, etc.)

Yes 1○→ go to Question 20b) No 2○→ go to Question 21

b) For each expenditure category, please indicate the amount of money spent in Saskatchewan in 1985 by you or members of your household and estimate the percentage of the amount you feel can be attributed to sportfishing.

Expenditure Category	Total Amount of Purchases	Percentage Attributable to Sportfishing
Fishing equipment (rods, reels, fish finder, etc.)	$ ________.00	______ %
Boating equipment (boat, motor, trailer, etc.)	$ ________.00	______ %
Camping equipment (tents, camper trailers, etc.)	$ ________.00	______ %
Special vehicles (4 x 4's, snowmobiles, camper truck, ATV's, etc.)	$ ________.00	______ %
Land-buildings (cabins, cottages, land, etc.)	$ ________.00	______ %
Other (special clothing, waders, etc.)	$ ________.00	______ %

21. a) Did you or members of your household purchase any "package" or so-called all-inclusive sport fishing trips, tours or outings in 1985 to fish in Saskatchewan (for example, going to fly-in fishing camps or lodges, going on guide or charter boats, etc. where the price includes a wide range of services such as lodging, food, transportation, tackle, etc.)?

Yes 1○→ go to Question 21b) No 2○→ go to Question 22

b) For each type of package, please provide the requested information.

Package	Management Region Number (from map)	Total Number of Anglers from Your Household	Total Cost to You and Your Household
Fly-in	____	____	$______.00
Lodge	____	____	$______.00
Charterboat	____	____	$______.00
Other	____	____	$______.00

22. **Excluding expenditures provided in Questions 20 and 21, please estimate as best you can, the amount of money you or other members of your household spent on the following to go sportfishing in Saskatchewan in 1985:**

	(✓)	
Accommodation (hotels, motels, etc.)	None ○	$________.00
Campsite fees (private, provincial, parks, etc.)	None ○	$________.00
Food - groceries	None ○	$________.00
- restaurant meals	None ○	$________.00
- alcoholic beverages	None ○	$________.00
Travel costs within Saskatchewan (gas, oil, fares, repairs, etc. for sportfishing trips)	None ○	$________.00
Boat rentals	None ○	$________.00
Household owned boat costs (gas, oil, moorage, etc.)	None ○	$________.00
Fishing supplies (bait, tackle, line, etc.)	None ○	$________.00
Guides	None ○	$________.00
Fishing licence fees	None ○	$________.00
Other (park fees, tolls, etc.)	None ○	$________.00

If you did not personally fish in 1985, please go to Question 24.

23. If your fishing costs had been higher in Saskatchewan in 1985 due to increased costs for gasoline, accommodation, supplies and other services, at what additional daily cost would you have decided not to fish?

$1.00 per day 1○
$2.00 per day 2○
$3.00 per day 3○
$4.00 per day 4○
$5.00 per day 5○
$7.50 per day 6○
$10.00 per day 7○
$20.00 per day 8○
$30.00 per day 9○
$40.00 per day 10○
$50.00 per day 11○
$100.00 per day 12○

RESPONDENT AND HOUSEHOLD SPORTFISHING PROFILE

In order for us to analyze the information collected in this survey in a meaningful way, we require some information on you and your household. This information will allow us to most accurately estimate the number of active anglers in the province, their use of the resource and the economic benefits generated within the province of Saskatchewan.

YOUR ANSWERS ARE STRICTLY CONFIDENTIAL

24. a) How old are you? _____ years of age

b) Are you: Male 1○ Female 2○

25. a) How many members of your household under the age of 16 fished for sport in Saskatchewan in 1985?

__________ (if none, go to Question 26)

b) For those household members indicated above, how many days in total did they fish in Saskatchewan in 1985?

__________ days

26. Excluding yourself, how many members of your household 16 years of age and over held the following Saskatchewan sportfishing licences in 1985?

Licence Type	Number
Seasonal licence	______
1 day licence	______

YOUR COMMENTS AND OPINIONS

You are invited to comment below about your fishing experiences and fishing opportunities in Saskatchewan (for example, quality, costs, environment, access, hospitality, enforcement, services, accommodation, regulations, problems, etc.)

THANK YOU FOR YOUR COOPERATION AND ASSISTANCE

APPENDIX B

METHODS

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INTRODUCTION

The survey of sport fishing in Saskatchewan in 1985 was part of a national survey of sport fishing conducted in all jurisdictions simultaneously. The work was co-ordinated by the Surveys Unit, Economic Analysis and Statistics Division of Canada Fisheries and Oceans (CFO) in Ottawa; the survey was administered in Saskatchewan by Fisheries Branch, Saskatchewan Parks, Recreation and Culture (SPRC) in Regina.

The methods used in each jurisdiction depended on the licencing regulations in each jurisdiction. The purpose of this section is to describe the approach used in Saskatchewan.

QUESTIONNAIRE

The questionnaire (Appendix A), which was developed by CFO, contained a core group of questions on angler profile, fishing effort, harvest, expenditures and investments used in each jurisdiction. The questionnaire also contained questions specific to each jurisdiction. In Saskatchewan, for example, these were about the Anglers Guide, the Sport Fish Conservation Program and stocked trout waters.

The questionnaire was designed to be self-explanatory with a clear statement on the first page outlining the purpose and scope of the survey. The questionnaire presented to Canadian respondents had a toll-free number for inquiries which were handled by staff of the Surveys Unit, CFO, Ottawa.

SAMPLING PROCEDURES

LICENSED ANGLERS

All resident anglers between the ages of 16 and 64 and all non-resident anglers over the age of 16 require angling licences to fish in Saskatchewan. Respondents were selected in November 1985 from those who had purchased annual angling licences since April 1985; those who purchased one-day licences were excluded from the survey. Angling licence stubs were used as the frame for selecting respondents. Although licence sales were incomplete at the time of the survey, there were sufficient returns in each category to allow the selection of a representative sample of anglers. Licence files were stratified into three categories, namely, resident, non-resident Canadians (i.e., residents of Canada but not Saskatchewan) and other non-residents.

RESIDENT SENIOR CITIZENS

Anglers 65 years of age and over are an important component of the resident angling population. Until 1982, Saskatchewan senior citizens were issued free life-time angling licences by the province. As a result, there was limited information available on the size of the population of senior citizens who actively participated in the Saskatchewan fishery in 1985. It was decided to use the list of those issued licences until 1982 even though it provided an incomplete frame of reference. These data were supplemented by a list of anglers who had obtained refunds on their licences between 1982 and 1985 because they had reached the age of 65.

SAMPLE SIZES

A systematic random sample of licence holders was drawn from each stratum which resulted in a sample of 1,600 Saskatchewan residents, 400 non-resident Canadians and 400 other non-residents. A random sample of 400 senior citizens was drawn from the combined list of seniors. These sample sizes were retained throughout the survey. Licensed anglers who had moved and/or died since they had purchased their 1985 licences were replaced by other names from the same categories. Similarly, senior citizens who had moved and/or died since they had been granted their life-time angling licences or had received refunds as described above were replaced by other names from the combined list.

CONTACTS

Prospective respondents were contacted three times. The first was during the second week of January 1986 when each potential respondent received a questionnaire, a letter describing the survey and requesting assistance, a copy of the report summarizing the results of the 1980 survey and an envelope for returning the completed questionnaire. Envelopes were addressed to the Regina office of SPRC. Postage was paid for Canadian respondents. United States residents did not receive this benefit because of difficulties in making arrangements with United States postal authorities.

The second contact consisted of a post card reminder sent three weeks after the first mailing. Again, for Canadian respondents, the toll-free number was included on the card. The third contact was in mid February and consisted of a letter of request and a second copy of the questionnaire.

Questionnaires received by May 30, 1986, were included in the analysis. The usable return rate from the three mailings after accounting for moves, deaths and incomplete returns was 60%.

CODING, EDITING AND DATA CAPTURING PROCEDURES

Coding and editing were performed by SPRC in Regina and Canadian Facts in Toronto. Four questions which required qualitative answers, namely, the Anglers Guide, the Sport Fish Conservation Program, the stocked trout waters and the final question on the questionnaire, were coded by SPRC. Codes for these were developed as the questionnaires were received; more than 2,700 comments were made by the respondents.

The remainder of each questionnaire was coded by Canadian Facts under contract to CFO. Detailed instructions on coding and editing procedures were prepared by the Surveys Unit and explained in an orientation session with senior coding staff of Canadian Facts. Particular emphasis was placed on the quality and completeness of the information as well as the possibility of substitution of respondents. Questionnaires that were highly inconsistent, largely incomplete or anwered by someone other than the expected respondent were considered unusable. Approximately 5.5% of returns were deemed unusable.

Data capture was performed by Datacap Limited of Ottawa.

Questionnaires were keyed into a computer according to record layouts provided by the Surveys Unit. After initial data entry, 20% of the key questions were verified to evaluate quality of data entry.

DATA PROCESSING AND ESTIMATING PROCEDURES

Data processing operations were performed by staff of the Surveys Unit, CFO, Ottawa. Several specific steps followed in order to derive the estimates contained in this report and each is described below. All data processing was performed using SPSS (Statistical Package for the Social Sciences), Version 9.0.

EDITS AND UPDATES

After receipt of the tape containing the raw data, a system file was created utilizing SPSS. The data were then assessed for data entry errors, inconsistencies and improper coding. Up to three edits were performed before the data were considered error free. At each step of the editing process, corrections were made and the file re-edited to ensure that all errors had been eliminated.

A special geographic edit was performed by Fisheries Branch, SPRC. The question on fishing sites was completely re-evaluated to ensure that respondents had identified the proper provincial region. Any errors found concerning regional pressure and harvest were then corrected by the Surveys Unit.

After a "clean" file was prepared, missing data were estimated using a number of techniques depending upon the type of data. This was followed by creation of variables reflecting aggregates of information contained on each record in order to provide totals related to activity patterns, harvest, expenditures, investments, etc.

WEIGHTING FACTORS

Two weighting factors were used in the analysis. The first, or "respondent" weight (RWGT) factor, was determined for each respondent using the following technique:

1. the distribution of men and women in each stratum was determined from the original mailing list;
2. this distribution was used to estimate the number of men and women in the population of anglers within the stratum;
3. usable returns were then divided into four categories, namely, men who fished, men who did not fish, women who fished, and women who did not fish;
4. questionnaires which had been rejected for reasons other than substitution of respondents were divided into the same categories;
5. the distributions found in steps 3 and 4 were aggregated and the numbers of men and women fishing and not fishing were estimated; and,
6. the RWGT for each respondent was calculated as the inverse of the number of usable returns in the respondent's category to the estimated population in that category.

The second, or "household" weight (HWGT) function, was derived to produce estimates of expenditures and investments. This step was required because the questionnaire asked anglers to identify expenditures on a household basis. HGWT was determined by dividing RGWT by the number of licenced anglers in each household. HGWT was adjusted in cases where Saskatchewan senior citizens and season licence-holders resided in the same household.

REGIONAL ESTIMATES

Two procedures were performed on the data after weights had been computed. The first was to stratify resident respondents according to their region of residence. This procedure allowed intra-provincial comparisons in terms of resident activity, harvest and expenditures based on where anglers fished as well as where they lived.

The second involved the proportional allocation of expenditures made by each angler based on the percentage of fishing activity in each region. This procedure allowed for estimates of expenditure within each region. A straight line estimation was used even though it does not provide the best estimates due to varying rates of expenditure by anglers depending on their specific destinations. This approach was deemed more appropriate than having the respondents provide these data because of the increase in estimation required of them for specific expenditures during the previous year.

RELIABILITY

Sampling errors result from the fact that only a small portion of the population under study was selected to provide the required estimates, and had another sample been selected, different estimates may have been obtained. These errors are a function of the sample size, survey design and estimation procedures used to calculate the final estimates. Variability due to sampling error can be estimated from variability in the sample. The coefficient of variation is one measure of this variability. It is the standard error divided by the mean and is expressed as a percentage.

Standard errors were calculated by SPSS as if the samples had been simple random samples. This assumption is not appropriate for these data because it does not account for the increased precision realized by stratification. These standard errors should, therefore, be considered as approximate measures of the variation of the means.

It was not feasible to compute coefficients of variation for all estimates in the survey, but coefficients were produced for two specific variables, namely, annual activity and total direct expenditures. Based on sample sizes of 1,175 for residents and 452 for non-residents, the coefficients of variation for these variables at the 95% levels of confidence are:

annual activity: resident anglers 7.7%,
non-resident anglers 11.5%;

direct expenditure: resident anglers 9.7%,
non-resident anglers 11.2%.

The degree of reliability for most of the estimates made for the survey is reasonably good. It should be noted that, as with any survey, reliability decreases with an increase in the level of disaggregation or with a decrease in the number of observations.

APPENDIX C

ANGLER PROFILE

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Table 1. Fishing activity in Saskatchewan by active resident anglers who fished in the previous five years.

	Area of Residence								
	North	North Central	Northwest Central	Northeast Central	Southwest Central	Southeast Central	South	Qu'Appelle	All Resident Anglers
No. licences issued in 1985	929	3,666	3,546	2,718	32,690	23,624	78,418	12,170	157,761
No. who fished in 1985	929	3,194	3,089	2,367	28,482	20,583	68,323	10,604	137,571
% active	100.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
No. of 1985 anglers who fished in 1984	929	3,280	3,048	1,866	26,487	20,093	61,048	9,119	125,870
% of 1985	100.0	89.5	86.0	68.6	81.0	85.0	77.8	74.9	79.8
No. of 1985 anglers who fished in 1983	619	2,895	3,048	2,070	26,050	19,858	61,814	8,823	125,177
% of 1985	66.6	79.0	86.0	76.2	79.7	84.1	78.8	72.5	79.4
No. of 1985 anglers who fished in 1982	619	1,949	2,916	2,070	24,680	18,693	58,114	8,222	117,263
% of 1985	66.6	53.2	82.2	76.2	75.5	79.1	74.1	67.6	74.3
No. of 1985 anglers who fished in 1981	619	2,142	2,683	2,070	22,778	17,936	55,750	7,548	111,526
% of 1985	66.6	58.4	75.7	76.2	69.7	75.9	71.1	62.0	70.7
No. of 1985 anglers who fished in 1980	310	1,949	2,683	2,070	21,941	17,414	51,507	7,411	105,285
% of 1985	33.3	53.2	75.7	76.2	67.1	73.7	65.7	60.9	66.7

Table 2. Numbers of resident anglers who fished in each area of Saskatchewan in 1985.

Area Fished	Area of Residence								Total
	North	North Central	Northwest Central	Northeast Central	Southwest Central	Southeast Central	South	Qu'Appelle	
North	929	579	397	204	1,284	952	1,693	916	6,954
North Central	0	3,106	1,454	826	9,315	7,778	14,454	2,905	39,838
Northwest Central	0	0	2,714	204	10,164	4,247	6,411	274	24,014
Northeast Central	0	204	132	1,663	3,512	10,495	8,083	1,415	25,504
Tobin Lake	0	193	0	215	162	4,024	1,949	822	7,365
Southwest Central	0	0	1,159	0	16,354	2,309	5,916	685	26,423
Southeast Central	0	193	0	204	1,769	8,697	5,817	1,272	17,952
South	0	0	397	407	6,346	1,090	39,599	1,190	49,029
Qu'Appelle	0	193	132	204	809	995	18,630	7,143	28,106
Totals	929	4,468	6,385	3,927	49,715	40,587	102,552	16,622	225,185
Mean Number of Areas Fished per Angler	1.0	1.2	1.7	1.7	1.5	1.7	1.3	1.4	1.6

Table 3. Species preferred by active resident anglers by area fished in Saskatchewan, 1985.

Rank	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	All Areas
1	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye
2	Pike	Pike	Pike	Pike	Pike	Pike	Pike	Pike	Pike	Pike
3	Lake trout	Lake trout	Perch	Lake trout	Perch	Perch	Perch	Perch	Perch	Perch
4	Trout**	Perch	Trout**	Trout**	Trout**	Trout**	Rainbow*	Trout**	Lake trout	Lake trout
5	Grayling	Trout**	Lake trout	Perch	Rainbow*	Rainbow*	Lake trout	Lake trout	Trout**	Trout**
6	Rainbow*	Rainbow*	Rainbow*	Rainbow*	Lake trout	Lake trout	Trout**	Rainbow*	Rainbow*	Rainbow*
7	Perch	Splake	Splake	Brook*	Splake	Whitefish	Brook*	Whitefish	Grayling	Brook*
8	Brook*	Brook*	Brook*	Splake	Sauger	Splake	Whitefish	Brook*	Brook*	Splake
9	Brown*	Grayling	Whitefish	Grayling	Grayling	Brook*	Kokanee	Splake	Goldeye	Grayling
10	Bass	Brown*	Grayling	Kokanee	Goldeye	Goldeye	Splake	Brown*	Salmon	Whitefish

* trout;
** species not indicated.

Table 4. Species preferred by active non-resident anglers by area fished in Saskatchewan, 1985.

Rank	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	All Areas
1	Pike	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye
2	Walleye	Pike	Pike	Pike	Pike	Pike	Pike	Pike	Pike	Pike
3	Lake trout	Lake trout	Lake trout	Lake trout	Rainbow*	Perch	Perch	Perch	Perch	Lake trout
4	Grayling	Trout**	Trout**	Rainbow*	Perch	Trout**	Lake trout	Rainbow*	Rainbow*	Perch
5	Trout**	Perch	Perch	Perch	Lake trout	Lake trout	Rainbow*	Lake trout	Lake trout	Trout**
6	Rainbow*	Rainbow*	Rainbow*	Trout**	Trout**	Rainbow*	Brook*	Trout**	Trout**	Rainbow*
7	Perch	Splake	Splake	Brook*	Goldeye	Brook*	Whitefish	Brook*	Bass	Grayling
8	Kokanee	Grayling	Brook*	Sauger	Kokanee	Splake	Trout**	Kokanee	...	Brook*
9	...	Brook	Whitefish	Goldeye	...	Whitefish	...	Whitefish	...	Splake
10	...	Whitefish	Grayling	Brown*	...	Grayling	...	Brown*	...	Whitefish

* trout;

** species not indicated.

Table 5. Species preferred by active resident anglers by area of residence in Saskatchewan, 1985.

Rank	**Area of Residence**								
	North	**North Central**	**Northwest Central**	**Northeast Central**	**Southwest Central**	**Southeast Central**	**South**	**Qu'Appelle**	**All Areas**
1	Trout**	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye	Walleye
2	Lake trout	Pike	Pike	Pike	Pike	Pike	Pike	Pike	Pike
3	Pike	Rainbow*	Rainbow*	Brook*	Perch	Perch	Perch	Perch	Perch
4	Walleye	Lake trout	Perch	Lake trout	Lake trout	Trout**	Lake trout	Lake trout	Lake trout
5	Grayling	Trout**	Splake	Trout**	Trout**	Lake trout	Trout**	Trout**	Trout**
6	Rainbow*	Perch	Lake trout	Perch	Rainbow*	Rainbow*	Rainbow*	Rainbow*	Rainbow*
7	Brook*	Brook*	Trout**	Sauger	Splake	Brook*	Brook*	Grayling	Brook*
8	...	Splake	Brook*	Rainbow*	Whitefish	Grayling	Whitefish	Salmon	Splake
9	...	Grayling	Whitefish	Splake	Grayling	Goldeye	Goldeye	Brook*	Grayling
10	...	Brown*	Brown*	...	Brook*	Whitefish	Splake	Sauger	Whitefish

* trout;

** species not indicated.

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Table 1. Numbers of angler-days expended by active resident anglers in each area of Saskatchewan in each month of 1985.

Month	Area Fished									Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	
January	1,657	8,792	5,391	6,157	1,142	9,075	4,270	15,258	10,193	61,935
February	1,871	9,932	6,090	6,958	1,291	10,252	4,825	17,237	11,515	69,968
March	1,890	10,029	6,150	7,023	1,303	10,352	4,871	17,406	11,628	70,652
April	705	3,741	2,294	2,620	486	3,861	1,817	6,493	4,337	26,354
May	3,857	20,467	12,550	14,333	2,660	21,126	9,941	35,520	23,730	144,184
June	8,578	45,522	27,914	31,880	5,916	46,990	22,112	79,008	52,782	320,702
July	11,412	60,567	37,139	42,415	7,870	62,517	29,419	105,116	70,223	426,678
August	7,102	37,689	23,110	26,393	4,897	38,903	18,306	65,410	43,698	265,508
September	3,201	16,986	10,415	11,895	2,207	17,533	8,250	29,478	19,694	119,659
October	1,026	5,443	3,337	3,812	707	5,618	2,644	9,447	6,311	38,345
November	594	3,153	1,933	2,208	410	3,254	1,531	5,472	3,655	22,210
December	1,374	7,301	4,477	5,113	949	7,536	3,546	12,671	8,465	51,432
Totals	43,267	229,622	140,800	160,804	29,838	237,017	111,532	398,516	266,231	1,617,627

Table 2. Numbers of angler-days expended by active resident anglers from each area of Saskatchewan in each month of 1985.

Month	Area of Residence								Total
	North	North Central	Northwest Central	Northeast Central	Southwest Central	Southeast Central	South	Qu'Appelle	
January	0	983	2,115	204	11,048	8,208	28,391	10,986	61,935
February	0	385	3,538	1,018	14,586	11,353	30,315	8,773	69,968
March	0	964	3,173	1,256	18,559	11,773	28,759	6,168	70,652
April	619	386	2,512	407	6,905	3,493	8,527	3,505	26,354
May	0	1,350	10,313	2,511	31,644	23,859	60,346	14,161	144,184
June	3,406	6,021	12,694	7,342	62,312	48,082	146,932	33,913	320,702
July	3,716	6,591	15,741	6,121	88,435	64,953	204,792	36,329	426,678
August	1,548	5,059	9,193	6,674	72,448	37,486	114,450	18,650	265,508
September	2,168	2,323	4,596	4,673	24,554	17,197	53,928	10,220	119,659
October	1,239	579	793	1,505	8,430	5,251	17,894	2,654	38,345
November	0	193	132	215	5,147	3,539	9,688	3,296	22,210
December	0	386	661	645	9,798	7,702	21,005	11,235	51,432
Totals	12,696	25,220	65,461	32,571	353,866	242,896	725,027	159,890	1,617,627

Table 3. Numbers of angler-days expended by active resident anglers from each area of Saskatchewan in each area in 1985.

Area of Residence	Area Fished									Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	
North	12,696	0	0	0	0	0	0	0	0	12,696
North Central	964	22,690	0	408	193	0	579	0	386	25,220
Northwest Central	2,117	16,526	41,064	793	0	4,168	0	529	264	65,461
Northeast Central	407	4,366	204	19,110	2,580	0	2,036	3,257	611	32,571
Southwest Central	4,660	50,052	49,493	18,526	647	173,701	7,272	47,896	1,619	353,866
Southeast Central	2,815	45,641	21,922	78,068	16,139	6,694	62,512	5,951	3,154	242,896
South	10,636	65,830	27,158	36,323	6,852	49,987	34,259	338,185	155,797	725,027
Qu'Appelle	8,972	24,517	959	7,576	3,427	2,467	4,874	2,698	104,400	159,890
Totals	43,267	229,622	140,800	160,804	29,838	237,017	111,532	398,516	266,231	1,617,627

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Table 1. Numbers of fish harvested in each fisheries management zone and survey area by active licenced resident anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
Major Species												
Pike	19,481	282,724	174,972	94,382	19,872	571,950	285,048	102,616	254,647	125,715	768,026	1,359,457
Walleye	19,668	343,903	69,372	91,896	24,341	529,512	124,842	35,757	278,712	138,476	577,787	1,126,967
Perch	0	9,741	74,239	26,232	296	110,508	123,364	77,717	369,447	259,411	829,939	940,447
Lake trout	37,409	27,322	1,760	4,980	0	34,062	16,151	6,225	1,279	0	23,655	95,126
Totals	76,558	663,690	320,343	217,490	44,509	1,246,032	549,405	222,315	904,085	523,602	2,199,407	3,521,997
Stocked Species												
Rainbow trout	3,813	6,682	11,754	27,057	0	45,493	2,750	571	15,837	1,850	21,008	70,314
Brook trout	1,720	1,599	809	5,038	0	7,446	0	1,895	950	480	3,325	12,491
Brown trout	1,913	0	0	1,186	0	1,186	0	0	0	0	0	3,099
Splake	397	4,848	1,427	3,319	0	9,594	3,315	0	160	0	3,475	13,466
Kokanee	0	0	0	1,619	0	1,619	0	0	0	0	0	1,619
Totals	7,843	13,129	13,990	38,219	0	65,338	6,065	2,466	16,947	2,330	27,808	100,989
Other Species												
Whitefish	160	2,546	6,096	2,514	1,130	12,286	20,110	899	8,345	1,295	30,639	43,085
Goldeye	0	0	0	0	1,689	1,689	750	0	7,325	0	8,075	9,764
Grayling	5,353	2,383	0	0	0	2,383	0	0	0	0	0	7,736
Others	3,097	1,668	3,011	787	634	6,100	2,015	0	21,570	5,836	29,421	38,618
Totals	8,610	6,597	9,107	3,301	3,453	22,458	22,875	899	37,240	7,131	68,135	99,203
All Species	93,011	683,416	343,440	259,010	47,962	1,333,828	578,345	225,670	958,272	533,063	2,295,350	3,722,189

Table 2. Numbers of fish harvested in each fisheries management zone and survey area by active resident senior citizen anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
Major Species												
Pike	6,529	17,864	6,073	12,464	900	37,301	13,320	11,937	20,656	24,456	70,369	114,199
Walleye	1,923	16,155	2,669	8,880	1,781	29,485	5,969	11,408	29,827	21,963	69,167	100,575
Perch	0	192	0	1,268	192	1,652	515	12,608	28,258	12,358	53,739	55,391
Lake trout	3,828	7,089	0	2,689	0	9,778	0	0	0	0	0	13,606
Totals	12,280	41,300	8,742	25,301	2,873	78,216	19,804	35,953	78,741	58,777	193,275	283,771
Stocked Species												
Rainbow trout	0	192	648	740	192	1,772	0	0	481	0	481	2,253
Brook trout	0	0	0	634	0	634	0	0	0	0	0	634
Brown trout	0	65	0	0	0	65	0	0	0	0	0	65
Splake	0	0	0	211	0	211	0	0	0	0	0	211
Kokanee	0	0	0	423	0	423	0	0	0	0	0	423
Totals	0	257	648	2,008	192	3,105	0	0	481	0	481	3,586
Other Species												
Whitefish	0	96	0	106	0	202	161	0	1,601	0	1,762	1,964
Goldeye	0	0	0	0	0	0	519	0	2,249	0	2,768	2,768
Grayling	0	0	0	0	0	0	0	528	0	0	528	528
Others	0	0	0	2,325	0	2,325	389	0	483	96	968	3,293
Totals	0	96	0	2,431	0	2,527	1,069	528	4,333	96	6,026	8,553
All Species	12,280	41,653	9,390	29,740	3,065	83,848	20,873	36,481	83,555	58,873	199,782	295,910

Table 3. Numbers of fish harvested in each fisheries management zone and survey area by active adult resident anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
Major Species												
Pike	26,010	300,588	181,045	106,846	20,772	609,251	298,368	114,553	275,303	150,171	838,395	1,473,656
Walleye	21,591	360,058	72,041	100,776	26,122	558,997	130,811	47,165	308,539	160,439	646,954	1,227,542
Perch	0	9,933	74,239	27,500	488	112,160	123,879	90,325	397,705	271,769	883,678	995,838
Lake trout	41,237	34,411	1,760	7,669	0	43,840	16,151	6,225	1,279	0	23,655	108,732
Totals	88,838	704,990	329,085	242,791	47,382	1,324,248	569,209	258,268	982,826	582,379	2,392,682	3,805,768
Stocked Species												
Rainbow trout	3,813	6,874	12,402	27,797	192	47,265	2,750	571	16,318	1,850	21,489	72,567
Brook trout	1,720	1,599	809	5,672	0	8,080	0	1,895	950	480	3,325	13,125
Brown trout	1,913	65	0	1,186	0	1,251	0	0	0	0	0	3,164
Splake	397	4,848	1,427	3,530	0	9,805	3,315	0	160	0	3,475	13,677
Kokanee	0	0	0	2,042	0	2,042	0	0	0	0	0	2,042
Totals	7,843	13,386	14,638	40,227	192	68,443	6,065	2,466	17,428	2,330	28,289	104,575
Other Species												
Whitefish	160	2,642	6,096	2,620	1,130	12,488	20,271	899	9,946	1,295	32,401	45,049
Goldeye	0	0	0	0	1,689	1,689	1,269	0	9,574	0	10,843	12,532
Grayling	5,353	2,383	0	0	0	2,383	0	528	0	0	528	8,264
Others	3,097	1,668	3,041	3,112	634	8,425	2,404	0	22,053	5,932	30,389	41,911
Totals	8,610	6,693	9,107	5,732	3,453	24,985	23,944	1,417	41,573	7,227	74,161	107,756
All Species	105,291	725,069	352,830	288,750	51,027	1,417,676	599,218	262,151	1,041,827	591,936	2,495,132	4,018,099

Table 4. Numbers of fish harvested in each fisheries management zone and survey area by active non-resident Canadian anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
Major Species												
Pike	6,167	33,598	26,849	11,555	638	72,640	24,000	4,132	7,327	5,423	40,882	119,689
Walleye	14,461	66,406	6,765	18,826	1,276	93,273	8,052	3,920	13,677	14,035	39,684	147,418
Perch	0	3,296	1,595	1,170	744	6,805	20,528	618	16,410	4,466	42,022	48,827
Lake trout	10,765	6,618	6,871	2,020	0	15,509	213	0	0	0	213	26,487
Totals	31,393	109,918	42,080	33,571	2,658	188,227	52,793	8,670	37,414	23,924	122,801	342,421
Stocked Species												
Rainbow trout	0	1,276	532	957	0	2,765	106	319	0	0	425	3,190
Brook trout	0	213	0	0	0	213	0	2,127	0	0	2,127	2,340
Brown trout	0	0	0	0	0	0	0	0	0	0	0	0
Splake	0	532	106	0	0	638	106	0	0	0	106	744
Kokanee	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0	2,021	638	957	0	3,616	212	2,446	0	0	2,658	6,274
Other Species												
Whitefish	425	319	1,701	532	0	2,552	851	96	0	0	947	3,924
Goldeye	0	0	0	0	0	0	0	0	319	0	319	319
Grayling	106	0	0	0	0	0	0	0	0	0	0	106
Others	0	2,351	0	213	0	2,564	106	638	0	0	744	3,308
Totals	531	2,670	1,701	745	0	5,116	957	734	319	0	2,010	7,657
All Species	31,924	114,609	44,419	35,273	2,658	196,959	53,962	11,850	37,733	23,924	127,469	356,352

Table 5. Numbers of fish harvested in each fisheries management zone and survey area by active other non-resident anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
Major Species												
Pike	32,941	84,248	8,634	2,286	2,971	98,139	2,299	2,637	3,798	2,529	11,263	142,343
Walleye	18,539	111,994	1,532	3,729	5,002	122,257	1,532	1,020	36,835	9,558	48,945	189,741
Perch	1,703	1,447	0	0	85	1,532	0	0	18,962	3,320	22,282	25,517
Lake trout	15,914	13,271	2,043	170	0	15,484	85	426	0	0	511	31,909
Totals	69,097	210,960	12,209	6,185	8,058	237,412	3,916	4,083	59,595	15,407	83,001	389,510
Stocked Species												
Rainbow trout	0	596	426	0	0	1,022	0	0	0	255	255	1,277
Brook trout	0	0	0	0	0	0	0	0	83	0	83	83
Brown trout	0	0	0	0	0	0	0	0	0	0	0	0
Splake	0	0	0	0	0	0	0	0	0	0	0	0
Kokanee	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0	596	426	0	0	1,022	0	0	83	255	338	1,360
Other Species												
Whitefish	0	170	0	85	0	255	0	0	0	0	0	255
Goldeye	0	0	0	0	0	0	0	0	0	0	0	0
Grayling	766	0	0	0	0	0	0	0	0	0	0	766
Others	170	0	0	0	0	0	0	0	1,447	0	1,447	1,617
Totals	936	170	0	85	0	255	0	0	1,447	0	1,447	2,638
All Species	70,033	211,726	12,635	6,270	8,058	238,689	3,916	4,083	61,125	15,662	84,786	393,508

Table 6. **Numbers of fish harvested in each fisheries management zone and survey area by active adult non-resident anglers, Saskatchewan, 1985.**

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
Major Species												
Pike	39,108	117,846	35,483	13,841	3,609	170,779	26,299	6,769	11,125	7,952	52,145	262,032
Walleye	33,000	178,400	8,297	22,555	6,278	215,530	9,584	4,940	50,512	23,593	88,629	337,159
Perch	1,703	4,743	1,595	1,170	829	8,337	20,528	618	35,372	7,786	64,304	74,344
Lake trout	26,679	19,889	8,914	2,190	0	30,993	298	426	0	0	724	58,396
Totals	100,490	320,878	54,289	39,756	10,716	425,639	56,709	12,753	97,009	39,331	205,802	731,931
Stocked Species												
Rainbow trout	0	1,872	958	957	0	3,787	106	319	0	255	680	4,467
Brook trout	0	213	0	0	0	213	0	2,127	83	0	2,210	2,423
Brown trout	0	0	0	0	0	0	0	0	0	0	0	0
Splake	0	523	106	0	0	638	106	0	0	0	106	744
Kokanee	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0	2,617	1,064	957	0	4,638	212	2,446	83	255	2,996	7,634
Other Species												
Whitefish	425	489	1,701	617	0	2,807	851	96	0	0	947	4,179
Goldeye	0	0	0	0	0	0	0	0	319	0	319	319
Grayling	872	0	0	0	0	0	0	0	0	0	0	872
Others	170	2,351	0	213	0	2,564	106	638	1,447	0	2,191	4,925
Totals	1,467	2,840	1,701	830	0	5,371	957	734	1,776	0	3,457	10,295
All Species	101,957	326,335	57,054	41,543	10,716	435,648	57,878	15,933	98,858	39,586	212,255	749,860

Table 7. Numbers of fish harvested in each fisheries management zone and survey area by all active licenced anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
Major Species												
Pike	65,118	418,434	216,528	120,687	24,381	780,030	324,667	121,322	286,428	158,123	890,540	1,735,688
Walleye	54,591	538,458	80,338	123,331	32,400	774,527	140,395	52,105	359,051	184,032	735,583	1,564,701
Perch	1,703	14,676	75,834	28,670	1,317	120,497	144,407	90.943	433,077	279,555	947,982	1,070,182
Lake trout	67,916	54,300	10,674	9,859	0	74,833	16,449	6,651	1,279	0	24,379	167,128
Totals	189,328	1,025,868	383,374	282,547	58,098	1,749,887	625,918	271,021	1,079,835	621,710	2,598,484	4,537,699
Stocked Species												
Rainbow trout	3,813	8,746	13,360	28,754	192	51,052	2,856	890	16,318	2,105	22,169	77,034
Brook trout	1,720	1,812	809	5,672	0	8,293	0	4,022	1,033	480	5,535	15,548
Brown trout	1,913	65	0	1,186	0	1,251	0	0	0	0	0	3,164
Splake	397	5,380	1,533	3,530	0	10,443	3,421	0	160	0	3,581	14,421
Kokanee	0	0	0	2,042	0	2,042	0	0	0	0	0	2,042
Totals	7,843	16,003	15,702	41,184	192	73,081	6,277	4,912	17,511	2,585	31,285	112,209
Other Species												
Whitefish	585	3,131	7,797	3,237	1,130	15,295	21,122	985	9,946	1,295	33,348	49,228
Goldeye	0	0	0	0	1,689	1,689	1,269	0	9,893	0	11,162	12,851
Grayling	6,225	2,383	0	0	0	2,383	0	528	0	0	528	9,136
Others	3,267	4,019	3,011	3,325	634	10,989	2,510	638	23,500	5,932	32,580	46,836
Totals	10,077	9,523	10,808	6,562	3,453	30,356	24,901	2,151	43,339	7,227	77,618	118,051
All Species	207,248	1,051,404	409,884	330,293	61,743	1,853,324	657,096	278,084	1,140,685	631,522	2,707,387	4,767,959

Table 8. Weight of fish harvested in each fisheries management zone and survey area by active licenced resident anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Major Species												
Pike	30,390	441,049	181,971	98,157	20,667	741,844	296,450	106,721	264,833	130,744	798,748	1,570,982
Walleye	19,078	333,586	59,660	79,030	20,933	493,209	107,364	30,751	239,692	119,089	496,896	1,009,183
Perch	0	2,143	16,332	5,771	65	24,311	27,140	17,098	81,278	57,070	182,586	206,897
Lake trout	73,696	53,824	3,467	9,811	0	67,102	31,817	12,263	2,520	0	46,600	187,398
Totals	123,164	830,602	261,430	192,769	41,665	1,326,466	462,771	166,833	588,323	306,903	1,524,830	2,974,460
Stocked Species												
Rainbow trout	4,537	7,952	13,987	32,198	0	54,137	3,272	679	18,846	2,202	24,999	83,673
Brook trout	808	752	380	2,368	0	3,500	0	891	446	226	1,563	5,871
Brown trout	1,014	0	0	628	0	628	0	0	0	0	0	1,642
Splake	468	5,721	1,684	3,916	0	11,321	3,912	0	189	0	4,101	15,890
Kokanee	0	0	0	810	0	810	0	0	0	0	0	810
Totals	6,827	14,425	16,051	39,920	0	70,396	7,184	1,570	19,481	2,428	30,663	107,886
Other Species												
Whitefish	146	2,317	5,547	2,288	1,028	11,180	18,300	809	7,594	1,178	27,881	39,207
Goldeye	0	0	0	0	574	574	255	0	2,490	0	2,745	3,319
Grayling	2,944	1,311	0	0	0	1,311	0	0	0	0	0	4,255
Others	1,456	784	1,415	370	298	2,867	947	0	10,138	2,743	13,828	18,151
Totals	4,546	4,412	6,962	2,658	1,900	15,932	19,502	809	20,222	3,921	44,454	64,932
All Species	134,537	849,439	284,443	235,347	43,565	1,412,794	489,457	169,212	628,026	313,252	1,599,947	3,147,278

Table 9. Weight of fish harvested in each fisheries management zone and survey area by active resident senior citizen anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Major Species												
Pike	10,185	27,868	6,316	12,962	936	48,082	13,853	12,414	21,482	25,434	73,183	131,450
Walleye	1,865	15,670	2,295	7,637	1,532	27,134	5,133	9,811	25,651	18,888	59,483	88,482
Perch	0	42	0	279	42	363	113	2,774	6,217	2,719	11,823	12,186
Lake trout	7,541	13,965	0	5,297	0	19,262	0	0	0	0	0	26,803
Totals	19,591	57,545	8,611	26,175	2,510	94,841	19,099	24,999	53,350	47,041	144,489	258,921
Stocked Species												
Rainbow trout	0	228	771	881	228	2,108	0	0	572	0	572	2,680
Brook trout	0	0	0	298	0	298	0	0	0	0	0	298
Brown trout	0	34	0	0	0	34	0	0	0	0	0	34
Splake	0	0	0	249	0	249	0	0	0	0	0	249
Kokanee	0	0	0	212	0	212	0	0	0	0	0	212
Totals	0	262	771	1,640	228	2,901	0	0	572	0	572	3,473
Other Species												
Whitefish	0	87	0	96	0	183	146	0	1,457	0	1,603	1,786
Goldeye	0	0	0	0	0	0	176	0	765	0	941	941
Grayling	0	0	0	0	0	0	0	290	0	0	290	290
Others	0	0	0	1,093	0	1,093	183	0	227	45	455	1,548
Totals	0	87	0	1,189	0	1,276	505	290	2,449	45	3,289	4,565
All Species	19,591	57,894	9,382	29,004	2,738	99,018	19,604	25,289	56,371	47,086	148,350	266,959

Table 10. Weight of fish harvested in each fisheries management zone and survey area by active adult resident anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Major Species												
Pike	40,575	468,917	188,287	111,119	21,603	789,926	310,303	119,135	286,315	156,178	871,931	1,702,432
Walleye	20,943	349,256	61,955	86,667	22,465	520,343	112,497	40,562	265,343	137,977	556,379	1,097,665
Perch	0	2,185	16,332	6,050	107	24,674	27,253	19,872	87,495	59,789	194,409	219,083
Lake trout	81,237	67,789	3,467	15,108	0	86,364	31,817	12,263	2,520	0	46,600	214,201
Totals	142,755	888,147	270,041	218,944	44,175	1,421,307	481,870	191,832	641,673	353,944	1,669,319	3,233,381
Stocked Species												
Rainbow trout	4,537	8,180	14,758	33,079	228	56,245	3,272	679	19,418	2,202	25,571	86,353
Brook trout	808	752	380	2,666	0	3,798	0	891	446	226	1,563	6,169
Brown trout	1,014	34	0	628	0	662	0	0	0	0	0	1,676
Splake	468	5,721	1,684	4,165	0	11,570	3,912	0	189	0	4,101	16,139
Kokanee	0	0	0	1,022	0	1,022	0	0	0	0	0	1,022
Totals	6,827	14,687	16,822	41,560	228	73,297	7,184	1,570	20,053	2,428	31,235	111,359
Other Species												
Whitefish	146	2,404	5,547	2,384	1,028	11,363	18,446	809	9,051	1,178	29,484	40,993
Goldeye	0	0	0	0	574	574	431	0	3,255	0	3,686	4,260
Grayling	2,944	1,311	0	0	0	1,311	0	290	0	0	290	4,545
Others	1,456	784	1,415	1,463	298	3,960	1,130	0	10,365	2,788	14,283	19,699
Totals	4,546	4,499	6,962	3,847	1,900	17,208	20,007	1,099	22,671	3,966	47,743	69,497
All Species	154,128	907,333	293,825	264,351	46,303	1,511,812	509,061	194,501	684,397	360,338	1,748,297	3,414,237

Table 11. Weight of fish harvested in each fisheries management zone and survey area by active non-resident Canadian anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Major Species												
Pike	9,620	52,413	27,923	12,017	664	93,017	24,960	4,297	7,620	5,640	42,517	145,154
Walleye	14,027	64,414	5,818	16,190	1,097	87,519	6,925	3,371	11,762	12,070	34,128	135,674
Perch	0	725	351	257	164	1,497	4,516	136	3,610	982	9,244	10,741
Lake trout	21,207	13,037	13,536	3,979	0	30,552	420	0	0	0	420	52,179
Totals	44,854	130,589	47,628	32,443	1,925	212,585	36,821	7,804	22,992	18,692	86,309	343,748
Stocked Species												
Rainbow trout	0	1,518	633	1,139	0	3,290	126	380	0	0	506	3,796
Brook trout	0	100	0	0	0	100	0	1,000	0	0	1,000	1,100
Brown trout	0	0	0	0	0	0	0	0	0	0	0	0
Splake	0	628	125	0	0	753	125	0	0	0	125	878
Kokanee	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0	2,246	758	1,139	0	4,143	251	1,380	0	0	1,631	5,774
Other Species												
Whitefish	387	290	1,548	484	0	2,322	774	87	0	0	861	3,570
Goldeye	0	0	0	0	0	0	0	0	108	0	108	108
Grayling	58	0	0	0	0	0	0	0	0	0	0	58
Others	0	1,105	0	100	0	1,205	50	300	0	0	350	1,555
Totals	455	1,395	1,548	584	0	3,527	824	387	108	0	1,319	5,291
All Species	45,299	134,230	49,934	34,166	1,925	220,255	37,896	9,571	23,100	18,692	89,259	354,813

Table 12. Weight of fish harvested in each fisheries management zone and survey area by active other non-resident anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Major Species												
Pike	51,388	131,427	8,979	2,377	3,090	145,873	2,391	2,742	3,950	2,630	11,713	208,974
Walleye	17,983	108,634	1,318	3,207	4,302	117,461	1,318	877	31,678	8,220	42,093	177,537
Perch	375	318	0	0	19	337	0	0	4,172	730	4,902	5,614
Lake trout	31,350	26,144	4,025	335	0	30,504	167	839	0	0	1,006	62,860
Totals	101,096	266,523	14,322	5,919	7,411	294,175	3,876	4,458	39,800	11,580	59,714	454,985
Stocked Species												
Rainbow trout	0	709	507	0	0	1,216	0	0	0	303	303	1,519
Brook trout	0	0	0	0	0	0	0	0	39	0	39	39
Brown trout	0	0	0	0	0	0	0	0	0	0	0	0
Splake	0	0	0	0	0	0	0	0	0	0	0	0
Kokanee	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0	709	507	0	0	1,216	0	0	39	303	342	1,558
Other Species												
Whitefish	0	155	0	77	0	232	0	0	0	0	0	232
Goldeye	0	0	0	0	0	0	0	0	0	0	0	0
Grayling	421	0	0	0	0	0	0	0	0	0	0	421
Others	80	0	0	0	0	0	0	0	680	0	680	760
Totals	501	155	0	77	0	232	0	0	680	0	680	1,413
All Species	101,597	267,387	14,829	5,996	7,411	295,623	3,876	4,458	40,519	11,883	60,736	457,956

Table 13. Weight of fish harvested in each fisheries management zone and survey area by active adult non-resident anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Major Species												
Pike	61,008	183,840	36,902	14,394	3,754	238,890	27,351	7,039	11,570	8,270	54,230	354,128
Walleye	32,010	173,048	7,136	19,397	5,399	204,980	8,243	4,248	43,440	20,290	76,221	313,211
Perch	375	1,043	351	257	183	1,834	4,516	136	7,782	1,712	14,146	16,355
Lake trout	52,557	39,181	17,561	4,314	0	61,056	587	839	0	0	1,426	115,039
Totals	145,950	397,112	61,950	38,362	9,336	506,760	40,697	12,262	62,792	30,272	146,023	798,733
Stocked Species												
Rainbow trout	0	2,227	1,140	1,139	0	4,506	126	380	0	303	809	5,315
Brook trout	0	100	0	0	0	100	0	1,000	39	0	1,039	1,139
Brown trout	0	0	0	0	0	0	0	0	0	0	0	0
Splake	0	628	125	0	0	753	125	0	0	0	125	878
Kokanee	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0	2,955	1,265	1,139	0	5,359	251	1,380	39	303	1,973	7,332
Other Species												
Whitefish	387	455	1,548	561	0	2,554	774	87	0	0	861	3,802
Goldeye	0	0	0	0	0	0	0	0	108	0	108	108
Grayling	479	0	0	0	0	0	0	0	0	0	0	479
Others	80	1,105	0	100	0	1,205	50	300	680	0	1,030	2,315
Totals	946	1,550	1,548	661	0	3,759	824	387	788	0	1,999	6,704
All Species	146,896	401,617	64,763	40,162	9,336	515,878	41,722	14,029	63,619	30,575	149,995	812,769

Table 14. Weight of fish harvested in each fisheries management zone and survey area by all active adult anglers, Saskatchewan, 1985.

Species	Northern	Central					Southern					Total
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Total	Southwest Central	Southeast Central	South	Qu'Appelle	Total	
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Major Species												
Pike	101,583	652,757	225,189	125,513	25,357	1,028,816	337,654	126,174	297,885	164,448	926,161	2,056,560
Walleye	52,953	522,304	69,091	106,064	27,864	725,323	120,740	44,810	308,783	158,267	632,600	1,410,876
Perch	375	3,228	16,683	6,307	290	26,508	31,769	20,008	95,277	61,501	208,555	235,438
Lake trout	133,794	106,970	21,028	19,422	0	147,420	32,404	13,102	2,520	0	48,026	329,240
Totals	288,705	1,285,259	331,991	257,306	53,511	1,928,067	522,567	204,094	704,465	384,216	1,815,342	4,032,114
Stocked Species												
Rainbow trout	4,537	10,407	15,898	34,218	228	60,751	3,398	1,059	19,418	2,505	26,380	91,668
Brook trout	808	852	380	2,666	0	3,898	0	1,891	485	226	2,602	7,308
Brown trout	1,014	34	0	628	0	662	0	0	0	0	0	1,676
Splake	468	6,349	1,809	4,165	0	12,323	4,037	0	189	0	4,226	17,017
Kokanee	0	0	0	1,022	0	1,022	0	0	0	0	0	1,022
Totals	6,827	17,642	18,087	42,699	228	78,656	7,435	2,950	20,092	2,731	33,208	118,691
Other Species												
Whitefish	533	2,849	7,095	2,945	1,028	13,917	19,220	896	9,051	1,178	30,345	44,795
Goldeye	0	0	0	0	574	574	431	0	3,363	0	3,794	4,368
Grayling	3,423	1,311	0	0	0	1,311	0	290	0	0	290	5,024
Others	1,536	1,889	1,415	1,563	298	5,165	1,180	300	11,045	2,788	15,313	22,014
Totals	5,492	6,049	8,510	4,508	1,900	20,967	20,831	1,486	23,459	3,966	49,742	76,201
All Species	301,024	1,308,950	358,588	304,513	55,639	2,027,690	550,833	208,530	748,016	390,913	1,898,292	4,227,006

Table 15. The average numbers of fish of the major species caught and retained per angler-day and per angler in the North area of Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	0.48	2.50	0.60	0.77	1.86	1.52	0.94
Walleye	0.48	0.74	0.50	1.80	1.05	1.28	0.79
Perch	0.0	0.0	0.0	0.0	0.10	0.07	0.02
Lake trout	0.92	1.46	0.95	1.34	0.90	1.04	0.98
Major species	1.88	4.70	2.05	3.90	3.90	3.90	2.74
All species	2.29	4.70	2.43	3.97	3.96	3.96	3.00
Catch per angler							
Pike	3.0	15.6	3.7	3.4	11.1	8.2	5.6
Walleye	3.0	4.6	3.1	8.0	6.2	6.9	4.6
Perch	0.0	0.0	0.0	0.0	0.6	0.3	0.1
Lake trout	5.7	9.2	5.9	6.0	5.3	5.6	5.8
Major species	11.7	29.4	12.7	17.5	23.2	21.0	16.1
All species	14.2	29.4	15.1	17.8	23.5	21.4	17.7

Table 16. The average numbers of fish of the major species caught and retained per angler-day and per angler in the North Central area of Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	1.32	1.17	1.31	0.68	0.97	0.87	1.14
Walleye	1.60	1.06	1.57	1.35	1.29	1.31	1.47
Perch	0.04	0.01	0.04	0.07	0.02	0.03	0.04
Lake trout	0.13	0.47	0.15	0.14	0.15	0.15	0.15
Major species	3.09	2.71	3.07	2.24	2.43	2.36	2.80
All species	3.19	2.74	3.16	2.34	2.43	2.40	2.87
Catch per angler							
Pike	7.6	6.3	7.6	4.3	7.6	6.2	7.2
Walleye	9.3	5.7	9.0	8.5	10.2	9.5	9.2
Perch	0.3	0.1	0.2	0.4	0.1	0.2	0.2
Lake trout	0.7	2.5	0.9	0.8	1.2	1.1	0.9
Major species	17.9	14.6	17.7	14.0	19.1	17.0	17.5
All species	18.5	14.7	18.2	14.6	19.2	17.3	17.9

Table 17. The average numbers of fish of the major species caught and retained per angler-day and per angler in the Northwest Central area of Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	1.28	1.47	1.28	0.69	2.16	0.82	1.18
Walleye	0.51	0.64	0.51	0.17	0.38	0.19	0.44
Perch	0.54	0.0	0.53	0.04	0.0	0.04	0.41
Lake trout	0.01	0.0	0.01	0.18	0.51	0.21	0.06
Major species	2.34	2.11	2.33	1.08	3.06	1.26	2.09
All species	2.51	2.27	2.50	1.14	3.17	1.33	2.23
Catch per angler							
Pike	7.8	4.0	7.5	4.7	9.3	5.3	7.0
Walleye	3.1	1.7	3.0	1.2	1.6	1.2	2.6
Perch	3.3	0.0	3.1	0.3	0.0	0.2	2.5
Lake trout	0.1	0.0	0.1	1.2	2.2	1.3	0.3
Major species	14.3	5.7	13.7	7.4	13.1	8.0	12.4
All species	15.3	6.1	14.7	7.7	13.6	8.5	13.4

Table 18. The average numbers of fish of the major species caught and retained per angler-day and per angler in the Northeast Central area of Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	0.66	0.66	0.66	0.67	0.60	0.66	0.66
Walleye	0.65	0.47	0.63	1.10	0.98	1.08	0.68
Perch	0.18	0.07	0.17	0.07	0.0	0.06	0.16
Lake trout	0.04	0.14	0.05	0.12	0.04	0.10	0.05
Major species	1.53	1.34	1.51	1.96	1.62	1.90	1.55
All species	1.82	1.56	1.80	2.06	1.64	1.98	1.82
Catch per angler							
Pike	4.1	4.8	4.2	4.8	4.5	4.7	4.2
Walleye	4.0	3.4	4.0	7.8	7.4	7.7	4.3
Perch	1.1	0.5	1.1	0.5	0.0	0.4	1.0
Lake trout	0.2	1.0	0.3	0.8	0.3	0.7	0.3
Major species	9.4	9.7	9.6	13.9	12.2	13.5	9.8
All species	11.3	11.5	11.3	14.6	12.4	14.2	11.6

Table 19. **The average numbers of fish of the major species caught and retained per angler-day and per angler in the Tobin Lake area of Saskatchewan, 1985.**

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	0.69	0.94	0.70	0.67	0.73	0.72	0.70
Walleye	0.84	1.86	0.87	1.33	1.23	1.25	0.93
Perch	0.01	0.20	0.02	0.78	0.02	0.16	0.04
Lake trout	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Major species	1.54	3.00	1.59	2.78	1.98	2.13	1.67
All species	1.66	3.22	1.71	2.78	1.98	2.13	1.77
Catch per angler							
Pike	2.9	2.2	2.8	1.5	3.9	3.0	2.8
Walleye	3.5	4.2	3.5	3.0	6.6	5.3	3.8
Perch	0.1	0.4	0.1	1.8	0.1	0.7	0.2
Lake trout	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Major species	6.5	6.8	6.4	6.3	10.6	9.0	6.8
All species	6.9	7.3	6.9	6.3	10.6	9.0	7.2

Table 20. The average numbers of fish of the major species caught and retained per angler-day and per angler in the Southwest Central area of Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	1.29	0.81	1.26	1.14	0.60	1.06	1.24
Walleye	0.57	0.36	0.55	0.38	0.40	0.38	0.54
Perch	0.56	0.03	0.52	0.98	0.0	0.83	0.55
Lake trout	0.07	0.0	0.07	0.01	0.02	0.01	0.06
Major species	2.49	1.20	2.40	2.51	1.02	2.28	2.39
All species	2.62	1.27	2.53	2.57	1.02	2.33	2.51
Catch per angler							
Pike	11.6	7.3	11.3	5.8	4.5	5.6	10.4
Walleye	5.1	3.3	5.0	1.9	3.0	2.0	4.5
Perch	5.0	0.3	4.7	4.9	0.0	4.4	4.6
Lake trout	0.6	0.0	0.6	0.1	0.2	0.1	0.5
Major species	22.3	10.9	21.6	12.7	7.7	12.1	20.0
All species	23.5	11.5	22.7	13.0	7.7	12.4	21.1

Table 21. The average numbers of fish of the major species caught and retained per angler-day and per angler in the Southeast Central area of Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	1.04	0.89	1.03	0.64	1.35	0.81	1.10
Walleye	0.36	0.85	0.42	0.61	0.52	0.59	0.43
Perch	0.79	0.94	0.81	0.10	0.0	0.07	0.76
Lake trout	0.06	0.0	0.06	0.0	0.22	0.05	0.06
Major species	2.25	2.68	2.32	1.35	2.09	1.52	2.26
All species	2.30	2.72	2.35	1.85	2.09	1.91	2.32
Catch per angler							
Pike	6.2	7.9	6.4	3.0	7.8	4.0	6.2
Walleye	2.2	7.6	2.6	2.9	3.0	2.9	2.6
Perch	4.7	8.4	5.0	0.4	0.0	0.4	4.6
Lake trout	0.4	0.0	0.3	0.0	1.3	0.2	0.3
Major species	13.5	23.9	14.3	6.3	12.1	7.5	13.8
All species	13.7	24.2	14.6	8.7	12.1	9.4	14.2

Table 22. The average numbers of fish of the major species caught and retained per angler-day and per angler in the South area of Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	0.71	0.52	0.69	0.25	0.20	0.23	0.64
Walleye	0.78	0.75	0.77	0.46	1.96	1.05	0.80
Perch	1.03	0.71	1.00	0.56	1.01	0.73	0.97
Lake trout	<0.01	0.0	<0.01	0.0	0.0	0.0	<0.01
Major species	2.52	1.98	2.47	1.27	3.18	2.01	2.41
All species	2.67	2.09	2.61	1.28	3.26	2.05	2.55
Catch per angler							
Pike	5.7	4.4	5.6	1.8	1.5	1.7	5.1
Walleye	6.3	6.4	6.3	3.4	14.5	7.6	6.4
Perch	8.3	6.1	8.1	4.0	7.4	5.4	7.8
Lake trout	<0.1	0.0	<0.1	0.0	0.0	0.0	<0.1
Major species	20.3	16.9	20.1	9.2	23.4	14.7	19.4
All species	21.6	18.0	21.2	9.3	24.0	15.0	20.5

Table 23. **The average numbers of fish of the major species caught and retained per angler-day and per angler in the Qu'Appelle area of Saskatchewan, 1985.**

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	0.52	0.85	0.56	0.57	0.37	0.49	0.56
Walleye	0.57	1.23	0.60	1.49	1.42	1.46	0.65
Perch	1.07	1.16	1.02	0.47	0.49	0.48	0.99
Lake trout	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Major species	2.16	3.24	2.18	2.53	2.28	2.43	2.20
All species	2.20	3.44	2.22	2.53	2.32	2.44	2.24
Catch per angler							
Pike	5.0	8.4	5.3	5.2	1.9	3.3	5.2
Walleye	5.5	7.5	5.7	13.3	7.0	9.8	6.0
Perch	10.3	4.2	9.7	4.2	2.4	3.2	9.2
Lake trout	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Major species	20.8	20.1	20.7	22.7	11.3	16.3	20.4
All species	21.2	20.1	21.0	22.7	11.6	16.4	20.7

Table 24. The average numbers of fish of the major species caught and retained per angler-day and per angler in Saskatchewan, 1985.

Species	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Catch per angler-day							
Pike	0.92	0.84	0.91	0.66	0.96	0.80	0.89
Walleye	0.76	0.74	0.76	0.82	1.28	1.03	0.80
Perch	0.64	0.40	0.62	0.27	0.17	0.23	0.55
Lake trout	0.06	0.10	0.07	0.15	0.22	0.18	0.08
Major species	2.38	2.08	2.36	1.90	2.63	2.24	2.32
All species	2.51	2.17	2.48	1.97	2.66	2.28	2.45
Catch per angler							
Pike	6.6	6.1	6.5	4.1	6.8	5.3	6.3
Walleye	5.4	5.4	5.4	5.1	9.0	6.8	5.7
Perch	4.6	3.0	4.4	1.7	1.2	1.5	3.9
Lake trout	0.5	0.7	0.5	0.9	1.5	1.2	0.6
Major species	17.1	15.2	16.8	11.8	18.5	14.8	16.5
All species	18.0	15.8	17.8	12.4	18.8	15.0	17.3

APPENDIX F

ANGLER EXPENDITURES

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Table 2. Expenditures by active resident anglers by area fished in Saskatchewan in 1985.

Expenditure	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Licenced Resident Anglers										
Food and lodging	524,069	3,956,814	2,094,788	2,296,247	390,959	2,284,387	1,330,962	3,569,065	1,614,529	18,061,820
Transportation	846,061	3,886,416	2,196,475	1,970,172	324,648	2,528,473	1,573,498	3,954,847	2,105,472	19,386,062
Fishing services	73,302	665,791	391,645	226,615	61,630	320,170	166,759	544,720	259,871	2,710,503
Fishing supplies	103,774	525,691	326,266	281,598	53,607	356,784	292,862	636,399	298,056	2,875,037
Packages	974,200	2,311,748	30,650	15,811	7,411	36,418	31,981	0	0	3,408,219
Other	7,898	55,725	55,975	21,650	6,391	42,425	18,719	126,770	48,446	383,999
Totals	2,529,304	11,402,185	5,095,799	4,812,093	844,646	5,568,657	3,414,781	8,831,801	4,326,374	46,825,640
Senior Citizens										
Food and lodging	61,103	161,074	104,038	162,169	8,321	145,253	114,047	322,878	109,232	1,188,115
Transportation	52,861	185,837	78,930	180,100	17,117	134,400	121,881	362,133	143,816	1,276,895
Fishing services	0	39,509	6,744	24,099	0	1,121	424	32,166	17,932	121,995
Fishing supplies	8,676	16,264	6,063	34,534	1,567	24,089	34,071	61,194	22,983	209,441
Packages	0	59,515	0	0	0	0	47,558	0	0	107,073
Other	792	729	453	396	0	3,374	217	10,368	6,043	22,372
Totals	123,252	462,928	196,228	401,298	27,005	308,237	318,198	788,739	300,006	2,925,891
Active Resident Anglers										
Food and lodging	585,172	4,117,888	2,198,826	2,458,416	399,280	2,429,640	1,445,009	3,891,943	1,723,761	19,249,935
Transportation	898,742	4,072,253	2,275,405	2,150,272	341,765	2,662,873	1,695,379	4,316,980	2,249,288	20,662,957
Fishing services	73,302	705,300	398,389	250,714	61,630	321,291	167,183	576,886	277,803	2,832,498
Fishing supplies	112,450	541,955	332,329	316,132	55,174	380,873	326,933	697,593	321,039	3,084,478
Packages	974,200	2,371,263	30,650	15,811	7,411	36,418	79,539	0	0	3,515,292
Other	8,690	56,454	56,428	22,046	6,391	45,799	18,936	137,138	54,489	406,371
Totals	2,652,556	11,865,027	5,292,027	5,213,391	871,651	5,876,894	3,732,979	9,620,540	4,626,380	49,751,531

Table 3. **Expenditures by active non-resident anglers by area fished in Saskatchewan in 1985.**

Expenditure	**Area Fished**									
	North	**North Central**	**Northwest Central**	**Northeast Central**	**Tobin Lake**	**Southwest Central**	**Southeast Central**	**South**	**Qu'Appelle**	**Total**
	$	$	$	$	$	$	$	$	$	$
Non-resident Canadian Anglers										
Food and lodging	255,223	919,530	552,516	373,362	28,354	297,332	118,676	276,349	106,024	2,927,366
Transportation	193,865	567,178	287,002	255,476	99,173	273,416	132,911	192,950	103,960	2,105,931
Fishing services	45,047	183,416	57,857	48,659	2,481	36,855	19,138	47,029	9,398	449,880
Fishing supplies	16,524	61,900	41,240	18,865	2,835	40,131	7,700	28,516	10,105	227,816
Packages	709,205	408,653	15,949	0	0	0	0	0	0	1,133,807
Other	17	43,248	13,882	320	957	6,677	904	2,355	679	69,039
Totals	1,219,881	2,183,925	968,446	696,682	133,800	654,411	279,329	547,199	230,166	6,913,839
Other Non-resident Anglers										
Food and lodging	413,710	2,270,139	158,792	81,037	45,019	37,665	49,360	233,915	164,774	3,454,411
Transportation	297,718	1,491,559	100,037	66,180	41,745	28,083	71,616	188,486	71,800	2,357,224
Fishing services	106,503	612,283	33,927	20,080	13,199	11,957	6,353	52,775	23,298	880,375
Fishing supplies	43,193	239,083	10,642	13,787	5,256	4,336	365	26,464	14,343	357,469
Packages	2,788,439	3,950,946	10,216	154,947	77,474	0	0	0	0	6,982,022
Other	122	2,531	568	304	170	284	0	753	3,710	8,442
Totals	3,649,685	8,566,541	314,182	336,335	182,863	82,325	127,694	502,393	277,925	14,039,943
Active Non-resident Anglers										
Food and lodging	668,933	3,189,669	711,308	454,399	73,373	334,997	168,036	510,264	270,798	6,381,777
Transportation	491,583	2,058,737	387,039	321,656	140,918	301,499	204,527	381,436	175,760	4,463,155
Fishing services	151,550	795,699	91,784	68,739	15,680	48,812	25,491	99,804	32,696	1,330,255
Fishing supplies	59,717	300,983	51,882	32,652	8,091	44,467	8,065	54,980	24,448	585,285
Packages	3,497,644	4,359,599	26,165	154,947	77,474	0	0	0	0	8,115,829
Other	139	45,779	14,450	624	1,127	6,961	904	3,108	4,389	77,481
Totals	4,869,566	10,750,466	1,282,628	1,033,017	316,663	736,736	407,023	1,049,592	508,091	20,953,782

Table 4. Expenditures by all active anglers by area fished in Saskatchewan in 1985.

Expenditure	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Active Resident Anglers										
Food and lodging	585,172	4,117,888	2,198,826	2,458,416	399,280	2,429,640	1,445,009	3,891,943	1,723,761	19,249,935
Transportation	898,742	4,072,253	2,275,405	2,150,272	341,765	2,662,873	1,695,379	4,316,980	2,249,288	20,662,957
Fishing services	73,302	705,300	398,389	250,714	61,630	321,291	167,183	576,886	277,803	2,832,498
Fishing supplies	112,450	541,955	332,329	316,132	55,174	380,873	326,933	697,593	321,039	3,084,478
Packages	974,200	2,371,263	30,650	15,811	7,411	36,418	79,539	0	0	3,515,292
Other	8,690	56,454	56,428	22,046	6,391	45,799	18,936	137,138	54,489	406,371
Totals	2,652,556	11,865,113	5,292,027	5,213,391	871,651	5,876,894	3,732,979	9,620,540	4,626,380	49,751,531
Active Non-resident Anglers										
Food and lodging	668,933	3,189,669	711,308	454,399	73,373	334,997	168,036	510,264	270,798	6,381,777
Transportation	491,583	2,058,737	387,039	321,656	140,918	301,499	204,527	381,436	175,760	4,463,155
Fishing services	151,550	795,699	91,784	68,739	15,680	48,812	25,491	99,804	32,696	1,330,255
Fishing supplies	59,717	300,983	51,882	32,652	8,091	44,467	8,065	54,980	24,448	585,285
Packages	3,497,644	4,359,599	26,165	154,947	77,474	0	0	0	0	8,115,829
Other	139	45,779	14,450	624	1,127	6,961	904	3,108	4,389	77,481
Totals	4,869,566	10,750,466	1,282,628	1,033,017	316,663	736,736	407,023	1,049,592	508,091	20,953,782
All Active Anglers										
Food and lodging	1,254,105	7,307,557	2,910,134	2,912,815	472,653	2,764,637	1,613,045	4,402,207	1,994,559	25,631,712
Transportation	1,390,325	6,130,990	2,662,444	2,471,928	482,683	2,964,372	1,899,906	4,698,416	2,425,048	25,126,112
Fishing services	224,852	1,500,999	490,173	319,453	77,310	370,103	192,674	676,690	310,499	4,162,753
Fishing supplies	172,167	842,938	384,211	348,784	63,265	425,340	334,998	752,573	345,487	3,669,763
Packages	4,471,844	6,760,862	56,815	170,758	84,885	36,418	79,539	0	0	11,661,121
Other	8,829	102,233	70,878	22,670	7,518	52,760	19,840	140,246	58,878	483,852
Totals	7,522,122	22,645,579	6,574,655	6,246,408	1,188,314	6,613,630	4,140,002	10,670,132	5,134,471	70,735,313

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ANGLER INVESTMENTS

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Table 1. Investments by active resident anglers by their area of residence in Saskatchewan in 1985.

Purchase	Area of Residence								
	North	North Central	Northwest Central	Northeast Central	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$
Licenced Resident Anglers									
Fishing equipment	61,933	123,429	151,112	26,973	3,444,149	550,633	2,305,257	319,747	6,983,233
Boats	634,816	1,764,642	1,368,270	183,214	6,589,248	3,961,064	17,996,302	4,957,890	37,455,446
Camping equipment	108,383	135,000	6,379,415	31,553	7,293,803	2,531,772	11,998,888	2,754,927	31,233,741
Special vehicles	0	1,393,714	0	0	4,818,967	1,253,752	15,435,009	2,994,982	25,896,424
Land and buildings	0	1,832,142	0	0	3,203,346	5,513,890	23.183,578	667,310	34,400,266
Other	0	0	18,508	28,499	497,512	93,827	671,917	140,589	1,450,852
Totals	805,132	5,248,927	7,917,305	270,239	25,847,025	13,904,938	71,590,951	11,835,445	137,419,962
Senior Citizens									
Fishing equipment	0	0	0	15,444	58,515	22,205	253,789	37,378	387,331
Boats	0	0	252,500	617,750	528,444	2,115	1,450,942	70,084	2,921,835
Camping equipment	0	0	0	1,765,000	6,659	5,655	483,634	0	2,260,948
Special vehicles	0	0	0	0	0	0	1,936,992	0	1,936,992
Land and buildings	0	0	151,500	0	443,889	132,237	1,529,166	934,444	3,191,236
Other	0	0	0	17,650	5,250	2,642	29,253	14,016	68,811
Totals	0	0	404,000	2,415,844	1,042,757	164,854	5,683,776	1,055,922	10,767,153
Active Resident Anglers									
Fishing equipment	61,933	123,429	151,112	42,417	3,502,664	571,038	2,560,846	357,125	7,370,564
Boats	634,816	1,764,642	1,620,770	800,964	7,117,692	3,963,179	19,447,244	5,027,974	40,377,281
Camping equipment	108,383	135,000	6,379,415	1,796,553	7,300,462	2,537,427	12,482,522	2,754,927	33,494,689
Special vehicles	0	1,393,714	0	0	4,818,967	1,255,552	17,370,201	2,994,982	33,494,689
Land and buildings	0	1,832,142	151,500	0	3,647,235	5,646,127	24,712,744	1,601,754	37,591,502
Other	0	0	18,508	46,149	502,762	96,469	701,170	154,605	1,519,663
Totals	805,132	5,248,927	8,321,305	2,686,083	26,889,782	14,069,792	77,274,727	12,891,367	148,187,115

Table 2. Investments for fishing by active resident anglers by their area of residence in Saskatchewan in 1985.

Purchase	Area of Residence								
	North	North Central	Northwest Central	Northeast Central	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$
Licenced Resident Anglers									
Fishing equipment	61,933	123,429	151,112	26,973	3,444,149	550,633	2,305,258	319,747	6,983,233
Boats	634,816	1,002,374	1,236,070	91,606	5,222,925	3,726,587	11,813,435	3,247,160	26,974,973
Camping equipment	69,675	123,428	1,937,266	20,662	2,608,684	1,893,415	8,212,562	598,733	15,464,425
Special vehicles	0	325,543	0	0	1,790,194	549,347	6,786,355	748,174	10,199,613
Land and buildings	0	1,378,928	0	0	1,508,691	1,372,349	5,012,499	396,943	9,669,410
Other	0	0	18,508	18,321	401,553	87,034	493,967	75,937	1,095,320
Totals	766,424	2,953,702	3,342,956	157,562	14,976,196	8,179,365	34,624,075	5,386,694	70,386,974
Senior Citizens									
Fishing equipment	0	0	0	15,444	58,515	22,205	253,788	37,378	387,330
Boats	0	0	219,675	537,443	489,537	1,055	1,162,207	70,084	2,480,001
Camping equipment	0	0	0	1,641,450	6,659	3,753	483,634	0	2,135,496
Special vehicles	0	0	0	0	0	0	562,028	0	562,028
Land and buildings	0	0	38,410	0	443,889	27,577	492,561	236,036	1,238,473
Other	0	0	0	17,650	5,250	2,642	20,112	14,016	59,670
Totals	0	0	258,085	2,211,987	1,003,850	57,232	2,974,330	357,514	6,862,998
Active Resident Anglers									
Fishing equipment	61,933	123,429	151,112	42,417	3,502,664	572,838	2,559,046	357,125	7,370,564
Boats	634,816	1,002,374	1,455,745	629,049	5,712,462	3,727,642	12,975,642	3,317,244	29,454,974
Camping equipment	69,675	123,428	1,937,266	1,662,112	2,615,343	1,897,168	8,696,196	598,733	17,599,921
Special vehicles	0	325,543	0	0	1,790,194	549,347	7,348,383	748,174	10,761,641
Land and buildings	0	1,378,928	38,410	0	1,952,580	1,399,926	5,505,060	632,979	10,907,883
Other	0	0	18,508	35,971	406,803	89,676	514,079	89,953	1,154,990
Totals	766,424	2,953,702	3,601,041	2,369,549	15,980,046	8,236,597	37,598,405	5,744,208	77,249,972

Table 3. Investments by active resident anglers by area fished in Saskatchewan in 1985.

Purchase	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Licenced Resident Anglers										
Fishing equipment	430,657	1,385,861	1,933,698	329,296	65,107	893,738	279,133	1,087,759	577,984	6,983,233
Boats	2,843,296	6,166,076	4,188,466	2,998,867	511,016	3,354,426	2,436,906	7,438,188	7,518,205	37,455,446
Camping equipment	1,646,940	5,426,843	8,557,880	1,415,012	386,961	1,852,825	1,340,119	6,749,696	3,857,465	31,233,741
Special vehicles	1,199,644	5,383,960	1,394,219	1,038,430	145,362	3,409,747	850,761	8,052,453	4,421,848	25,896,424
Land and buildings	112,519	2,933,546	592,891	2,189,868	0	3,256,426	13,014,064	3,257,372	9,043,580	34,400,266
Other	56,322	336,673	277,610	55,233	31,223	190,421	105,455	248,136	149,779	1,450,852
Totals	6,289,378	21,632,959	16,944,764	8,026,706	1,139,669	12,957,583	18,026,438	26,833,604	25,568,861	137,419,962
Senior Citizens										
Fishing equipment	4,142	31,139	5,874	70,002	0	11,806	1,363	184,645	78,360	387,331
Boats	0	443,841	252,982	683,421	0	93,828	1,585	922,587	523,591	2,921,835
Camping equipment	0	7,150	859	1,722,346	0	187,536	1,715	89,251	202,091	2,260,948
Special vehicles	0	599,822	481,170	0	0	0	0	856,000	0	1,936,992
Land and buildings	0	443,889	151,500	962,846	0	1,057	15,852	1,550,898	65,194	3,191,236
Other	0	11,495	642	31,960	0	1,110	4,120	11,770	7,714	68,811
Totals	4,142	1,537,336	893,027	3,520,575	0	295,337	24,635	3,615,151	876,950	10,767,153
Active Resident Anglers										
Fishing equipment	434,799	1,417,000	1,939,572	399,298	65,107	905,544	280,496	1,272,404	656,344	7,370,564
Boats	2,843,296	6,609,917	4,441,448	3,682,288	511,016	3,448,254	2,438,491	8,360,775	8,041,796	40,377,281
Camping equipment	1,646,940	5,433,993	8,558,739	3,187,358	386,961	2,040,361	1,341,834	6,838,947	4,059,556	33,494,689
Special vehicles	1,199,644	5,983,782	1,875,389	1,038,430	145,362	3,409,747	850,761	8,908,453	4,421,848	27,833,416
Land and buildings	112,519	3,377,435	744,391	3,152,714	0	3,257,483	13,029,916	4,808,270	9,108,774	37,591,502
Other	56,322	348,168	278,252	87,193	31,223	191,531	109,575	259,906	157,493	1,519,663
Totals	6,293,520	23,170,295	17,837,791	11,547,281	1,139,669	13,252,920	18,051,073	30,448,755	26,445,811	148,187,115

Table 4. Investments for fishing by active resident anglers by area fished in Saskatchewan in 1985.

Purchase	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Licenced Resident Anglers										
Fishing equipment	430,657	1,385,861	1,933,698	329,296	65,107	893,738	279,133	1,087,759	577,984	6,983,234
Boats	2,299,484	4,541,887	3,783,599	1,492,521	293,849	2,245,704	2,206,036	6,041,704	4,070,189	26,974,973
Camping equipment	506,112	3,038,997	2,913,187	951,929	167,066	968,053	839,364	4,948,791	1,130,926	15,464,425
Special vehicles	599,822	1,737,638	526,048	551,583	50,049	1,535,144	363,789	3,200,396	1,635,144	10,199,613
Land and buildings	95,966	2,151,937	66,396	225,520	0	1,490,347	3,009,739	369,881	2,259,624	9,669,410
Other	46,944	251,552	241,580	29,338	15,323	139,826	71,590	180,824	118,343	1,095,320
Totals	3,978,985	13,107,872	9,464,509	3,580,187	591,394	7,272,812	6,769,651	15,829,355	9,792,210	70,386,975
Senior Citizens										
Fishing equipment	4,142	31,139	5,873	70,002	0	11,806	1,363	184,645	78,360	387,330
Boats	0	404,934	220,156	602,902	0	93,773	793	633,853	523,590	2,480,001
Camping equipment	0	7,150	859	1,646,893	0	187,537	1,715	89,251	202,091	2,135,496
Special vehicles	0	299,911	48,117	0	0	0	0	214,000	0	562,028
Land and buildings	0	443,889	80,295	506,849	0	528	7,926	164,434	34,552	1,238,473
Other	0	7,166	642	31,158	0	1,110	2,516	9,364	7,714	59,670
Totals	4,142	1,194,189	355,942	2,857,804	0	294,754	14,313	1,295,547	846,307	6,862,998
Active Resident Anglers										
Fishing equipment	434,799	1,417,000	1,939,572	399,298	65,107	905,544	280,496	1,272,404	656,344	7,370,564
Boats	2,299,484	4,946,821	4,003,755	2,095,423	293,849	2,339,477	2,206,829	6,675,557	4,593,779	29,454,974
Camping equipment	506,112	3,046,147	2,914,046	2,598,822	167,066	1,155,590	841,079	5,038,042	1,333,017	17,599,921
Special vehicles	599,822	2,037,549	574,165	551,583	50,049	1,535,144	363,789	3,414,396	1,635,144	10,761,641
Land and buildings	95,966	2,595,826	146,691	732,369	0	1,490,875	3,017,665	534,315	2,294,176	10,907,883
Other	46,944	258,718	242,222	60,496	15,323	140,936	74,106	190,188	126,057	1,154,990
Totals	3,983,127	14,302,061	9,820,451	6,437,991	591,394	7,567,566	6,783,964	17,124,902	10,638,517	77,249,973

Table 5. Investments by active non-resident anglers by area fished in Saskatchewan in 1985.

Purchase	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Non-resident Canadian Anglers										
Fishing equipment	53,250	99,106	66,873	30,406	0	15,060	3,003	45,397	0	313,095
Boats	0	577,714	381,185	312,867	0	123,695	10,633	875,431	0	2,281,525
Camping equipment	15,949	3,615	0	1,240	0	595,010	5,316	4,785	0	625,915
Special vehicles	0	0	0	0	0	85,062	0	0	0	85,062
Land and buildings	0	72,657	0	0	0	0	0	265,819	0	338,476
Other	5,316	15,188	1,215	3,544	0	0	433	14,152	0	39,848
Totals	74,515	768,280	449,273	348,057	0	818,827	19,385	1,205,584	0	3,683,921
Other Non-resident Anglers										
Fishing equipment	21,852	51,950	409	0	2,720	1,101	5,232	4,950	5,230	93,444
Boats	0	210,189	0	0	2,010	394	0	1,163	788	214,544
Camping equipment	0	10,611	0	0	0	0	0	3,065	4,087	17,763
Special vehicles	0	7,151	0	0	0	0	0	0	0	7,151
Land and buildings	36,487	71,684	0	91,217	0	0	114,933	0	0	314,321
Other	6,803	19,286	0	6,081	709	0	0	1,788	2,384	37,051
Totals	65,142	370,871	409	97,298	5,439	1,495	120,165	10,966	12,489	684,274
Active Non-resident Anglers										
Fishing equipment	75,102	151,056	67,282	30,406	2,720	16,161	8,235	50,347	5,230	406,539
Boats	0	787,903	381,185	312,867	2,010	124,089	10,633	876,594	788	2,496,069
Camping equipment	15,949	14,226	0	1,240	0	595,010	5,316	7,850	4,087	643,678
Special vehicles	0	7,151	0	0	0	85,062	0	0	0	92,213
Land and buildings	36,487	144,341	0	91,217	0	0	114,933	265,819	0	652,797
Other	12,119	34,474	1,215	9,625	709	0	433	15,940	2,384	76,899
Totals	139,657	1,139,151	449,682	445,355	5,439	820,322	139,550	1,216,550	12,489	4,368,195

Table 6. Investments for fishing by active non-resident anglers by area fished in Saskatchewan in 1985.

Purchase	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Non-resident Canadian anglers										
Fishing equipment	53,250	99,106	66,873	30,406	0	15,060	3,003	45,397	0	313,095
Boats	0	575,800	301,483	156,433	0	123,695	10,633	562,119	0	1,730,163
Camping equipment	14,354	3,615	0	1,240	0	595,010	5,316	718	0	620,253
Special vehicles	0	0	0	0	0	8,506	0	0	0	8,506
Land and buildings	0	26,405	0	0	0	0	0	79,746	0	106,151
Other	5,316	10,492	1,215	1,772	0	0	433	14,152	0	33,380
Totals	72,920	715,418	369,571	189,851	0	742,271	19,385	702,132	0	2,811,548
Other Non-resident Anglers										
Fishing equipment	21,852	51,950	409	0	2,720	1,104	5,232	4,950	5,230	93,447
Boats	0	210,189	0	0	2,010	394	0	1,163	788	214,544
Camping equipment	0	10,611	0	0	0	0	0	3,065	4,087	17,763
Special vehicles	0	7,151	0	0	0	0	0	0	0	7,151
Land and buildings	36,487	71,684	0	91,217	0	0	114,933	0	0	314,321
Other	6,316	15,114	0	4,865	709	0	0	1,788	2,384	31,176
Totals	64,655	366,699	409	96,082	5,439	1,498	120,165	10,966	12,489	678,402
Active Non-resident Anglers										
Fishing equipment	75,102	151,056	67,282	30,406	2,720	16,164	8,235	50,347	5,230	406,542
Boats	0	785,989	301,483	156,433	2,010	124,089	10,633	563,282	788	1,944,707
Camping equipment	14,354	14,226	0	1,240	0	595,010	5,316	3,783	4,087	638,016
Special vehicles	0	7,151	0	0	0	8,506	0	0	0	15,657
Land and buildings	36,487	98,089	0	91,217	0	0	114,933	79,746	0	420,472
Other	11,632	25,606	1,215	6,637	709	0	433	15,940	2,384	64,556
Totals	137,575	1,082,117	369,980	285,933	5,439	743,769	139,550	713,098	12,489	3,489,950

Table 7. Investments by all active anglers by area fished in Saskatchewan in 1985.

Purchase	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Resident Anglers										
Fishing equipment	434,799	1,417,000	1,939,572	399,298	65,107	905,544	280,496	1,272,404	656,344	7,370,564
Boats	2,843,296	6,609,917	4,441,448	3,682,288	511,016	3,448,254	2,438,491	8,360,775	8,041,796	40,377,281
Camping equipment	1,646,940	5,433,993	8,558,739	3,187,358	386,961	2,040,361	1,341,834	6,838,947	4,059,556	33,494,689
Special vehicles	1,199,644	5,983,782	1,875,389	1,038,430	145,362	3,409,747	850,761	8,908,453	4,421,848	27,833,416
Land and buildings	112,519	3,377,435	744,391	3,152,714	0	2,257,483	13,029,916	4,808,270	9,108,774	37,591,502
Other	56,322	348,168	278,252	87,193	31,223	191,531	109,575	259,906	157,493	1,519,663
Totals	6,293,520	23,170,295	17,837,791	11,547,281	1,139,669	13,252,920	18,051,073	30,448,755	26,445,811	148,187,115
Non-resident Anglers										
Fishing equipment	75,102	151,056	67,282	30,406	2,720	16,161	8,235	50,347	5,230	406,539
Boats	0	787,903	381,185	312,867	2,010	124,089	10,633	876,594	788	2,496,069
Camping equipment	15,949	14,226	0	1,240	0	595,010	5,316	7,850	4,087	643,678
Special vehicles	0	7,151	0	0	0	85,062	0	0	0	92,213
Land and buildings	36,487	144,341	0	91,217	0	0	114,933	265,819	0	652,797
Other	12,119	34,474	1,215	9,625	709	0	433	15,940	2,384	76,899
Totals	139,657	1,139,151	449,682	445,355	5,439	820,322	139,550	1,216,550	12,489	4,368,195
All Active Anglers										
Fishing equipment	509,901	1,568,056	2,006,854	429,704	67,827	921,705	288,731	1,322,751	661,574	7,777,103
Boats	2,843,296	7,397,820	4,822,633	3,995,155	513,026	3,572,343	2,449,124	9,237,369	8,042,584	42,873,350
Camping equipment	1,662,889	5,448,219	8,558,739	3,188,598	386,961	2,635,371	1,347,150	6,846,797	4,063,643	34,138,367
Special vehicles	1,199,644	5,990,933	1,875,389	1,038,430	145,362	3,494,809	850,761	8,908,453	4,421,848	27,925,629
Land and buildings	149,006	3,521,776	744,391	3,243,931	0	3,257,483	13,144,849	5,074,089	9,108,774	38,244,299
Other	68,441	382,642	279,467	96,818	31,932	191,531	110,008	275,846	159,877	1,596,562
Totals	6,433,177	24,309,446	18,287,473	11,992,636	1,145,108	14,073,242	18,190,623	31,665,305	26,458,300	152,555,310

Table 8. Investments for fishing by all active anglers by area fished in Saskatchewan in 1985.

Purchase	Area Fished									
	North	North Central	Northwest Central	Northeast Central	Tobin Lake	Southwest Central	Southeast Central	South	Qu'Appelle	Total
	$	$	$	$	$	$	$	$	$	$
Resident Anglers										
Fishing equipment	434,799	1,417,000	1,939,572	399,298	65,107	905,544	280,496	1,272,404	656,344	7,370,564
Boats	2,299,484	4,946,821	4,003,755	2,095,423	293,849	2,339,477	2,206,829	6,675,557	4,593,779	29,454,974
Camping equipment	506,112	3,046,147	2,914,046	2,598,822	167,066	1,155,590	841,079	5,038,042	1,333,017	17,599,921
Special vehicles	599,822	2,037,549	574,165	551,583	50,049	1,535,144	363,789	3,414,396	1,635,144	10,761,641
Land and buildings	95,966	2,595,826	146,691	732,369	0	1,490,875	3,017,665	534,315	2,294,176	10,907,883
Other	46,944	258,718	242,222	60,496	15,323	140,936	74,106	190,188	126,057	1,154,990
Totals	3,983,127	14,302,061	9,820,451	6,437,991	591,394	7,567,566	6,783,964	17,124,902	10,638,517	77,249,973
Non-resident Anglers										
Fishing equipment	75,102	151,056	67,282	30,406	2,720	16,164	8,235	50,347	5,230	406,542
Boats	0	785,989	301,483	156,433	2,010	124,089	10,633	563,282	788	1,944,707
Camping equipment	14,354	14,226	0	1,240	0	595,010	5,316	3,783	4,087	638,016
Special vehicles	0	7,151	0	0	0	8,506	0	0	0	15,657
Land and buildings	36,487	98,089	0	91,217	0	0	114,933	79,746	0	420,472
Other	11,632	25,606	1,215	6,637	709	0	433	15,940	2,384	64,556
Totals	137,575	1,082,117	369,980	285,933	5,439	743,769	139,550	713,098	12,489	3,489,950
All Active Anglers										
Fishing equipment	509,901	1,568,056	2,006,854	429,704	67,827	921,708	288,731	1,322,751	661,574	7,777,106
Boats	2,299,484	5,732,810	4,305,238	2,251,856	295,859	2,463,566	2,217,462	7,238,839	4,594,567	31,399,681
Camping equipment	520,466	3,060,373	2,914,046	2,600,062	167,066	1,750,600	846,395	5,041,825	1,337,104	18,237,937
Special vehicles	599,822	2,044,700	574,165	551,583	50,049	1,543,650	363,789	3,414,396	1,635,144	10,777,298
Land and buildings	132,453	2,693,915	146,691	823,586	0	1,490,875	3,132,598	614,061	2,294,176	11,328,355
Other	58,576	284,324	243,437	67,133	16,032	140,936	74,539	206,128	128,441	1,219,546
Totals	4,120,702	15,384,178	10,190,431	6,723,924	596,833	8,311,335	6,923,514	17,838,000	10,651,006	80,739,923

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ANGLER COMMENTS

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Table 1. Numbers and types of comments about access to lakes and streams made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Quality - very poor	7	0	7	2	3	5	12
- poor	0	0	0	1	0	1	1
- fair	0	2	2	0	0	0	2
- good	5	1	6	1	0	1	7
- very good	3	0	3	3	5	8	11
- totals	15	3	18	7	8	15	33
Request - restrict access	10	0	10	3	3	6	16
- improve access	17	3	20	1	0	1	21
- control access by cattle	1	1	2	0	0	0	2
- develop isolation index	1	0	1	0	0	0	1
- totals	29	4	33	4	3	7	40
Totals	44	7	51	11	11	22	73

Table 2. Numbers and types of comments about accommodations made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Quality - very poor	1	0	1	0	1	1	2
- poor	0	0	0	1	0	1	1
- fair	1	0	1	0	1	1	2
- good	3	0	3	4	1	5	8
- very good	5	3	8	13	20	33	41
- totals	10	3	13	18	23	41	54
Problems							
- liquor at campgrounds	4	0	4	0	0	0	4
- 21-day limit too restrictive	0	0	0	0	1	1	1
- motor bikes, trail bikes in parks	1	0	1	0	0	0	1
- overflow parking poor	0	0	0	1	0	1	1
- too few camp sites	1	0	1	0	0	0	1
- dislike windshield stickers	1	0	1	0	0	0	1
- totals	7	0	7	1	1	2	9
Suggestions							
- don't charge for one day in a park	1	0	1	0	0	0	1
- provide discounts for extended periods	1	0	1	0	0	0	1
- eliminate fees for senior citizens	0	1	1	0	0	0	1
- implement self-payment for overnight camping at remote lakes	0	0	0	1	0	1	1
- provide new camp at Nipawin dam	1	0	1	0	0	0	1
- increase size of provincial parks	1	0	1	0	0	0	1
- keep parks open longer in the year	2	0	2	0	0	0	2
- prevent parks from becoming too commercialized	1	0	1	0	0	0	1
- discontinue/modify/improve park site reservation system	5	0	5	1	0	1	6
- totals	12	1	13	2	0	2	15
Totals	29	4	33	21	24	45	78

Table 3. Numbers and types of comments about the Anglers Guide made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Impression - very good	1	0	1	1	0	1	2
Suggestions							
- simplify and include a summary	2	0	2	0	0	0	2
- include advice re disposal of fish offal while on the lake	1	0	1	0	0	0	1
- put apostrophe in the word "Angler's"	1	0	1	0	0	0	1
Totals	5	0	5	1	0	1	6

Table 4. Numbers and types of comments about angling licences made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Licence costs - too high	17	0	17	6	4	10	27
- too low	3	1	4	1	0	1	5
- acceptable	3	0	3	0	0	0	3
- totals	23	1	24	7	4	11	35
Requests							
- eliminate free fishing privileges for senior citizens	1	0	1	1	0	1	2
- provide free fishing privileges for senior citizens everywhere in Canada	0	0	0	3	0	3	3
- lower qualifying age for free fishing privileges	1	0	1	1	0	1	2
- reduce licence fees for SWF members	1	0	1	0	0	0	1
- deposit all licence fees in the enhancement fund	1	0	1	0	0	0	1
- increase licence fees to non-resident anglers	3	1	4	0	0	0	4
- eliminate all licence fees	1	0	1	0	0	0	1
- offer short-term licences at reduced rates	2	0	2	0	3	3	5
- provide family licences	1	0	1	1	0	1	2
- allow provincial licences to be used in the National Parks	3	0	3	0	0	0	3
- allow anglers who have forgotten their licences to present them later	1	0	1	0	0	0	1
- totals	15	1	16	6	3	9	25
Totals	38	2	40	13	7	20	60

Table 5. Numbers and types of comments about commercial fishing made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Replace commercial fishing with fish farming	1	0	1	0	0	0	1
Eliminate commercial fishing	11	2	13	3	1	4	17
Close walleye spawning areas to commercial fishing	1	0	1	0	0	0	1
Eliminate commercial harvests of game fish	3	0	3	0	0	0	3
Reduce commercial quotas for game fish	9	0	9	1	2	3	12
Eliminate highgrading	3	0	3	0	0	0	3
Implement angling seasons for commercial fishery	2	0	2	1	0	1	3
Prevent wastage of fish	4	1	5	1	0	1	6
Establish marketing board to control commercial fishermen	1	0	1	0	0	0	1
Totals	35	3	38	6	3	9	47

Table 6. Numbers and types of comments about costs of fishing made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Fishing costs - too high	59	9	68	15	19	34	102
- too low	1	0	1	0	0	0	1
- acceptable	5	1	6	2	5	7	13
- totals	65	10	75	17	24	41	116
Problems							
- camp fees too expensive	3	0	3	0	0	0	3
- too expensive to travel in northern Saskatchewan	1	0	1	0	0	0	1
- costs more than $20/day are too high	0	0	0	0	1	1	1
- U.S. citizens are not treated fairly re exchange of their money for Canadian dollars	1	0	1	0	2	2	3
- totals	5	0	5	0	3	3	8
Totals	70	10	80	17	27	44	124

Table 7. Numbers and types of comments about educational needs made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Introduce Master Angler Awards	1	0	1	1	0	1	2
Educate commercial fishermen re harm caused by use of small mesh nets	1	0	1	0	0	0	1
Provide more information about the environment	6	1	7	0	0	0	7
Develop posters re bringing out your own garbage from wilderness areas	2	0	2	0	0	0	2
Provide more information about places to fish	3	0	3	0	0	0	3
Print more "Fish Facts"	1	0	1	1	0	1	2
Provide more fishing seminars	1	0	1	0	0	0	1
Describe how to fish in the Anglers Guide or in a separate brochure	4	2	6	0	0	0	6
Instal navigational aids in all lakes	4	0	4	0	0	0	4
Provide better bathymetric maps and water visibility charts for spear fishermen	1	0	1	1	0	1	2
Provide courses on boating safety, navigation and survival skills	1	0	1	0	0	0	1
Keep highway signs repaired	0	0	0	1	0	1	1
Post local regulations on signs	2	0	2	0	0	0	2
Provide maps with vehicle trails, access and hazards in lakes	4	0	4	3	0	3	7
Provide more information about stocking	3	0	3	3	0	3	6
Establish camps where adolescents can learn about fishing and the outdoors	1	0	1	0	0	0	1
Promote catch and release	1	0	1	0	0	0	1
Provide more programs to explain fisheries problems to the public	2	0	2	0	0	0	2
Provide more education about ethics	6	0	6	2	0	2	8
Totals	44	3	47	12	0	12	59

Table 8. Numbers and types of comments about enforcement made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Quality - very poor	3	0	3	0	1	1	4
- poor	2	0	2	0	0	0	2
- good	3	1	4	0	1	1	5
- very good	6	2	8	5	12	17	25
- totals	14	3	17	5	14	19	36
Problems							
- too much enforcement of anglers	4	0	4	0	0	0	4
- too little enforcement of anglers	27	2	29	1	0	1	30
- too many border checks	0	0	0	0	2	2	2
- too few border checks	2	0	2	0	0	0	2
- too little enforcement of commercial fishermen	11	1	12	0	0	0	12
- too little enforcement of environmental laws	3	0	3	1	0	1	4
- too few enforcement officers	32	4	36	5	2	7	43
- too little inspection of propane appliances in northern Saskatchewan	1	0	1	0	0	0	1
- totals	80	7	87	7	4	11	98
Suggestions							
- utilize "plain clothes" officers	0	0	0	1	0	1	1
- allow SWF members to enforce regulations	1	0	1	0	0	0	1
- totals	1	0	1	1	0	1	2
Totals	95	10	105	13	18	31	136

Table 9. Numbers and types of comments about enhancement made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Impression - support	1	0	1	1	0	1	2
Suggestions							
- enhance more small lakes	1	0	1	0	0	0	1
- provide more winter aeration facilities for small lakes	1	0	1	0	0	0	1
Totals	3	0	3	1	0	1	4

Table 10. **Numbers and types of comments about the environment made by respondents to the 1985 survey of sport fishing in Saskatchewan.**

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Quality - very poor	4	0	4	1	0	1	5
- poor	0	0	0	1	0	1	1
- good	4	0	4	6	3	9	13
- very good	11	3	14	21	35	56	70
- totals	19	3	22	29	38	67	89
Problems							
- bathers using soap in lakes	0	0	0	1	0	1	1
- too much litter	11	2	13	2	0	2	15
- totals	11	2	13	3	0	3	16
Suggestions							
- prevent clear cutting by pulp companies	1	0	1	0	0	0	1
- provide more fish habitat	1	0	1	0	0	0	1
- improve/provide more spawning habitat	1	0	1	1	0	1	2
- control pollution	4	0	4	0	0	0	4
- control water temperature in southern lakes to facilitate spawning	1	0	1	0	0	0	1
- control water levels	7	0	7	0	0	0	7
- increase water levels in southern lakes	3	0	3	0	0	0	3
- totals	18	0	18	1	0	1	19
Totals	48	5	53	33	38	71	124

Table 11. Numbers and types of comments about fish populations made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Status of Current Populations							
- fish too small	10	1	11	0	1	1	12
- too few game fish	32	9	41	7	5	12	53
- too many rough fish	1	1	2	2	0	2	4
- too many pike	1	0	1	1	0	1	2
- too many walleye	1	0	1	2	1	3	4
- too many perch	2	1	3	0	0	0	3
- too few walleye	0	1	1	0	0	0	1
- totals	47	13	60	12	7	19	79
Causes of Reduced Populations							
- algae and aquatic plants	8	2	10	0	0	0	10
- overfishing							
- commercial	48	3	51	6	8	14	65
- recreational	18	1	19	1	2	3	22
- unspecified	5	0	5	0	0	0	5
- fishing at spawning times	2	0	2	1	0	1	3
- highgrading	3	0	3	0	1	1	4
- too little net fishing	0	1	1	0	0	0	1
- use of small mesh gill nets	4	0	4	0	0	0	4
- too much ice fishing	2	0	2	1	1	2	4
- too many rough fish	5	0	5	0	0	0	5
- predation by cormorants	4	0	4	0	0	0	4
- fish kills							
- winter	2	1	3	0	0	0	3
- dam operations	3	0	3	0	0	0	3

Continued...

Table 11. Continued.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Causes of Reduced Populations continued							
- water levels too low	10	0	10	1	0	1	11
- water levels too high	0	1	1	0	1	1	2
- no reproduction	1	0	1	0	0	0	1
- loss of habitat	3	0	3	0	0	0	3
- forest cutting to lake margins	2	0	2	0	0	0	2
- pollution							
- unspecified	9	2	11	1	0	1	12
- chemical sprays	1	2	3	0	0	0	3
- runoff from feed lots	1	0	1	0	0	0	1
- mercury	1	0	1	1	0	1	2
- sewage	1	0	1	0	0	0	1
- soap/shampoos from campers	1	0	1	0	0	0	1
- uranium	0	1	1	0	0	0	1
- poor water quality	5	0	5	0	0	0	5
- water skiing	4	0	4	0	0	0	4
- totals	143	14	157	12	13	25	182
Problems							
- fish discarded on the ice	1	0	1	0	0	0	1
- fish wasted by anglers due to improper care of fish when caught	0	1	1	0	0	0	1
- parasites in ciscoes	2	0	2	0	0	0	2
- pike have sores	0	1	1	0	0	0	1
- walleye have sores	1	0	1	0	0	0	1
- totals	4	2	6	0	0	0	6
Suggestions							
- eradicate perch	2	0	2	0	0	0	2
- eradicate rough fish	1	0	1	0	0	0	1
- control beaver populations	2	0	2	0	0	0	2
- totals	5	0	5	0	0	0	5
Totals	199	29	228	24	20	44	272

Table 12. Numbers and types of comments about fish stocking made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
More Stocking by Species							
- all species	11	0	11	2	0	2	13
- walleye	15	3	18	0	0	0	18
- pike	2	0	2	0	0	0	2
- perch	6	1	7	0	1	1	8
- stocked trout	28	0	28	2	1	3	31
- totals	62	4	66	4	2	6	72
More Stocking by Management Zone							
- Northern	4	0	4	0	0	0	4
- Central	11	1	12	2	0	2	14
- Southern	37	6	43	1	2	3	46
- all	23	2	25	3	0	3	28
- totals	75	9	84	6	2	8	92
Suggestions							
- stock in wilderness areas	1	0	1	0	0	0	1
- stock some lakes intensively and establish put and take fishing	1	0	1	0	0	0	1
- establish private hatcheries	0	1	1	0	0	0	1
- establish second provincial hatchery	3	0	3	0	0	0	3
- introduce - salmon	2	0	2	0	0	0	2
- pan fish	1	0	1	0	0	0	1
- bass	1	0	1	2	0	2	3
- dolly varden trout	0	0	0	1	0	1	1
- totals	9	1	10	3	0	3	13
Totals	146	14	160	13	4	17	177

Table 13. Numbers and types of comments about fishermen made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Problems							
- lack of angler ethics	14	0	14	1	0	1	15
- too many people in wilderness areas	5	1	6	0	0	0	6
- too many fishermen	0	0	0	0	1	1	1
- U.S. anglers bring all their supplies with them	0	1	1	0	0	0	1
- U.S. anglers who stay long periods of time can preserve their catches	0	1	1	0	0	0	1
- totals	19	3	22	1	1	2	24
Suggestions							
- prevent U.S. citizens from fishing in Canada	3	0	3	1	0	1	4
Totals	22	3	25	2	1	3	28

Table 14. Numbers and types of comments about fishing methods and gear made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Problems							
- too much chumming for fish	1	0	1	0	0	0	1
- too much spear fishing	1	0	1	1	0	1	2
- too many depth sounders being used	0	1	1	0	0	0	1
Totals	2	1	3	1	0	1	4

Table 15. Numbers and types of comments about the quality of fishing made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Fishing Quality by Management Zone							
- Northern - very poor	2	0	2	0	2	2	4
- poor	1	0	1	0	0	0	1
- fair	3	0	3	1	0	1	4
- good	4	0	4	0	1	1	5
- very good	4	2	6	4	6	10	16
- totals	14	2	16	5	9	14	30
- Central - very poor	8	1	9	4	5	9	18
- poor	8	1	9	5	5	10	19
- fair	3	0	3	2	1	3	6
- good	4	0	4	7	3	10	14
- very good	10	0	10	7	16	23	33
- totals	33	2	35	25	30	55	90
- Southern - very poor	29	0	29	3	2	5	34
- poor	13	1	14	0	1	1	15
- fair	1	3	4	1	1	2	6
- good	7	1	8	1	3	4	12
- very good	1	0	1	1	2	3	4
- totals	51	5	56	6	9	15	71

Table 16. Numbers and types of comments about the quality of hospitality made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Quality - very poor	1	0	1	1	0	1	2
- poor	1	0	1	0	0	0	1
- good	2	0	2	6	2	8	10
- very good	15	2	17	18	46	64	81
- totals	19	2	21	25	48	73	94

Table 17. Numbers and types of comments about Indians made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Problems							
- native rights to fish and fishing	22	0	22	2	2	4	26
- native children acting as guides	0	0	0	0	1	1	1
- totals	22	0	22	2	3	5	27

Table 18. Numbers and types of comments about outfitters made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Suggestions							
- implement regulations controlling quality of outfitters	1	0	1	0	0	0	1
Problems							
- northern outfitters only cater to U.S. citizens, not to Canadians	0	1	1	0	0	0	1
- false advertising from Besnard Lake saying fishing is excellent when fish have been overharvested by commercial fishing	0	0	0	1	0	1	1
Totals	1	1	2	1	0	1	3

Table 19. Numbers and types of comments about public servants made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Suggestions							
- Conservation Officers need courses on public relations	1	0	1	0	0	0	1
Problems							
- discourteous public servants	0	0	0	0	1	1	1
Totals	1	0	1	0	1	1	2

Table 20. Numbers and types of comments about the reasons for fishing made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Reasons for Fishing							
- isolation and/or privacy	17	5	22	2	3	5	27
- scenery and clean environment	16	3	19	7	3	10	29
- social reasons	5	3	8	2	2	4	12
- catch fish	17	2	19	2	1	3	22
- relaxation	25	5	30	5	3	8	38
- teach children	6	1	7	0	0	0	7
- challenge	1	0	1	0	0	0	1
- close to home	2	0	2	1	1	2	4
- totals	89	19	108	19	13	32	140
Reasons for Not Fishing							
- poor weather	2	1	3	1	0	1	4
- poor health	5	9	14	1	1	2	16
- no water	1	0	1	0	0	0	1
- ethical reasons	0	1	1	0	0	0	1
- age (too old)	0	4	4	0	0	0	4
- other commitments	6	0	6	0	1	1	7
- too far from lakes	0	1	1	0	0	0	1
- totals	14	16	30	2	2	4	34
Total	103	35	138	21	15	36	174

Table 21. Numbers and types of comments about fishing regulations made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Numbers Limits							
- all species - too few	35	4	39	6	15	21	60
- too many	7	1	8	1	1	2	10
- acceptable	4	0	4	1	5	6	10
- walleye - too few	4	1	5	0	2	2	7
- too many	2	0	2	0	0	0	2
- lake trout - too few	0	0	0	1	1	2	2
- pike - too few	1	0	1	0	3	3	4
- perch - too few	2	0	2	0	1	1	3
- totals	55	6	61	9	28	37	98
Size Limits							
- all species							
- need minimum	7	0	7	1	0	1	8
- need maximum	1	0	1	0	0	0	1
- walleye							
- need minimum	1	0	1	0	0	0	1
- need maximum	1	0	1	0	0	0	1
- lake trout							
- need maximum	0	0	0	0	1	1	1
- pike - need maximum	0	0	0	0	1	1	1
- totals	10	0	10	1	2	3	13
Seasons - Opening Dates							
- too early	12	0	12	0	0	0	12
- too late	2	0	2	2	0	2	4
- totals	14	0	14	2	0	2	16
Seasons - Closing Dates							
- too early	5	0	5	1	0	1	6
- too late	4	0	4	0	0	0	4
- acceptable	1	0	1	0	0	0	1
- totals	10	0	10	1	0	1	11
Problems							
- 2 fillets/package are difficult to transport	0	1	1	0	0	0	1
- large fish cause problems for new size limits	0	0	0	0	1	1	1
- totals	0	1	1	0	1	1	2

Continued...

Table 21. Continued.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Suggestions							
- restrict use of live bait	3	0	3	0	0	0	3
- permit use of live bait	1	0	1	0	0	0	1
- lower the age of children from 16 years to 14 years	1	0	1	0	0	0	1
- make barbless hooks mandatory	4	0	4	0	2	2	6
- allow bow fishing during spawning	1	0	1	0	0	0	1
- make catch and release mandatory	1	0	1	1	3	4	5
- abolish net fishing	24	9	33	3	5	8	41
- restrict chumming	1	0	1	0	0	0	1
- eliminate use of snares and spears	2	0	2	0	0	0	2
- permit use of more than one line when fishing on open water	1	0	1	1	0	1	2
- permit use of more than two lines when ice fishing	1	0	1	0	0	0	1
- control numbers of anglers	2	0	2	0	0	0	2
- restrict numbers of U.S. anglers	3	0	3	0	0	0	3
- restrict diameters of holes used for ice fishing	1	0	1	0	0	0	1
- restrict gear used for ice fishing	1	0	1	0	0	0	1
- abolish regulation requiring skin to be left on fillets	24	1	25	0	6	6	31
- provide a means of verifying that fish were caught in Saskatchewan when travelling to other provinces	0	0	0	0	1	1	1
- allow canned/preserved fish to be transported	0	1	1	0	0	0	1
- close stocked lakes until fish large enough to catch	2	0	2	0	0	0	2
- close lakes to fishing when populations overfished	1	0	1	0	0	0	1
- implement limits/quotas for individual lakes	2	0	2	0	0	0	2
- prevent people from fishing privately stocked lakes	1	0	1	0	0	0	1
- reduce daily limit to 5 fish for all species	0	0	0	1	0	1	1
- base northern limits on duration of trip	2	0	2	3	1	4	6
- implement 5-day limits for northern lakes	2	0	2	0	0	0	2
- provide annual quotas for short-term licences	1	0	1	0	0	0	1
- impose higher fines	5	1	6	0	0	0	6
- impose jail terms for infractions	2	1	3	0	0	0	3
- permit fishing for stocked trout during closed season	2	0	2	0	0	0	2
- eliminate winter fishing for trout	0	1	1	0	0	0	1

Continued...

Table 21. Continued.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Suggestions continued							
- protect fish at spawning times	7	1	8	0	1	1	9
- abolish size limits	2	0	2	0	0	0	2
- allow smaller fish to be caught so larger fish can escape	0	0	0	0	1	1	1
- establish trophy fishing lakes	2	0	2	0	0	0	2
- establish areas for fly fishing	1	0	1	0	0	0	1
- restrict more areas and lakes	1	0	1	0	0	0	1
- totals	104	15	119	9	20	29	148
Totals	193	22	215	22	51	73	288

Table 22. Numbers and types of comments about the quality of fishing services made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Quality of Services							
- very poor	2	0	2	0	0	0	2
- poor	0	1	1	0	1	1	2
- fair	0	0	0	1	1	2	2
- good	5	0	5	3	0	3	8
- very good	7	1	8	9	4	13	21
- totals	14	2	16	13	6	19	35
Suggestions							
- provide doorstep angling	5	1	6	0	0	0	6
- provide more services at lakes	16	0	16	2	1	3	19
- provide more biological and technical staff	3	0	3	0	0	0	3
- improve boat launching and docking facilities	9	3	12	1	3	4	16
- provide facilities for handicapped people at parks, resorts, docks, etc.	1	0	1	0	0	0	1
- improve facilities to permit fishing from shore	2	1	3	0	0	0	3
- totals	36	5	41	3	4	7	48
Totals	50	7	57	16	10	26	83

Table 23. Numbers and types of comments about the angling questionnaire made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Problems							
- difficult to remember details on harvests and expenditures	25	5	30	7	4	11	41
Suggestions							
- include Anglers Guide with questionnaire	1	0	1	0	0	0	1
- provide reward for people who submit completed questionnaires	3	0	3	0	0	0	3
- have Resource Officers administer questionnaire	1	0	1	0	0	0	1
- provide diary to prospective respondents at beginning of angling season	11	1	12	1	2	3	15
- have local SWF clubs administer questionnaire	1	0	1	0	0	0	1
- provide better maps in questionnaire	1	0	1	0	0	0	1
- questionnaire not suited to incidental fishing	0	0	0	1	0	1	1
- pay return postage on U.S. questionnaires	0	0	0	0	2	2	2
- include "other RV's" in question on investments	0	0	0	1	0	1	1
- totals	18	1	19	3	4	7	26
Totals	43	6	49	10	8	18	67

Table 24. Numbers and types of miscellaneous comments made by respondents to the 1985 survey of sport fishing in Saskatchewan.

Comment	Resident			Non-resident			Total
	Licenced	Senior Citizen	Total	Canadian	Other	Total	
Non-specific Comments							
- very poor	1	0	1	0	0	0	1
- good	3	0	3	3	1	4	7
- very good	3	0	3	6	6	12	15
- totals	7	0	7	9	7	16	23
Problems							
- too many high-powered boats on lakes	4	1	5	0	0	0	5
- swimmers' itch	1	0	1	0	0	0	1
- houseboats at Lac la Ronge	2	0	2	1	1	2	4
- discourteous truck drivers on northern roads	0	0	0	0	1	1	1
- drunken boat drivers	0	1	1	0	0	0	1
- unable to enter a local fish derby without SWF membership	0	0	0	1	0	1	1
- concern about the regulation of pilots in northern Saskatchewan	0	0	0	1	0	1	1
- concern about development at Cold Lake	1	0	1	0	0	0	1
- totals	8	2	10	3	2	5	15
Suggestions							
- restrict motor sizes on small lakes	8	1	9	1	0	1	10
- restrict times for water skiing	5	1	6	0	0	0	6
-totals	13	2	15	1	0	1	16
Totals	28	4	32	13	9	22	54